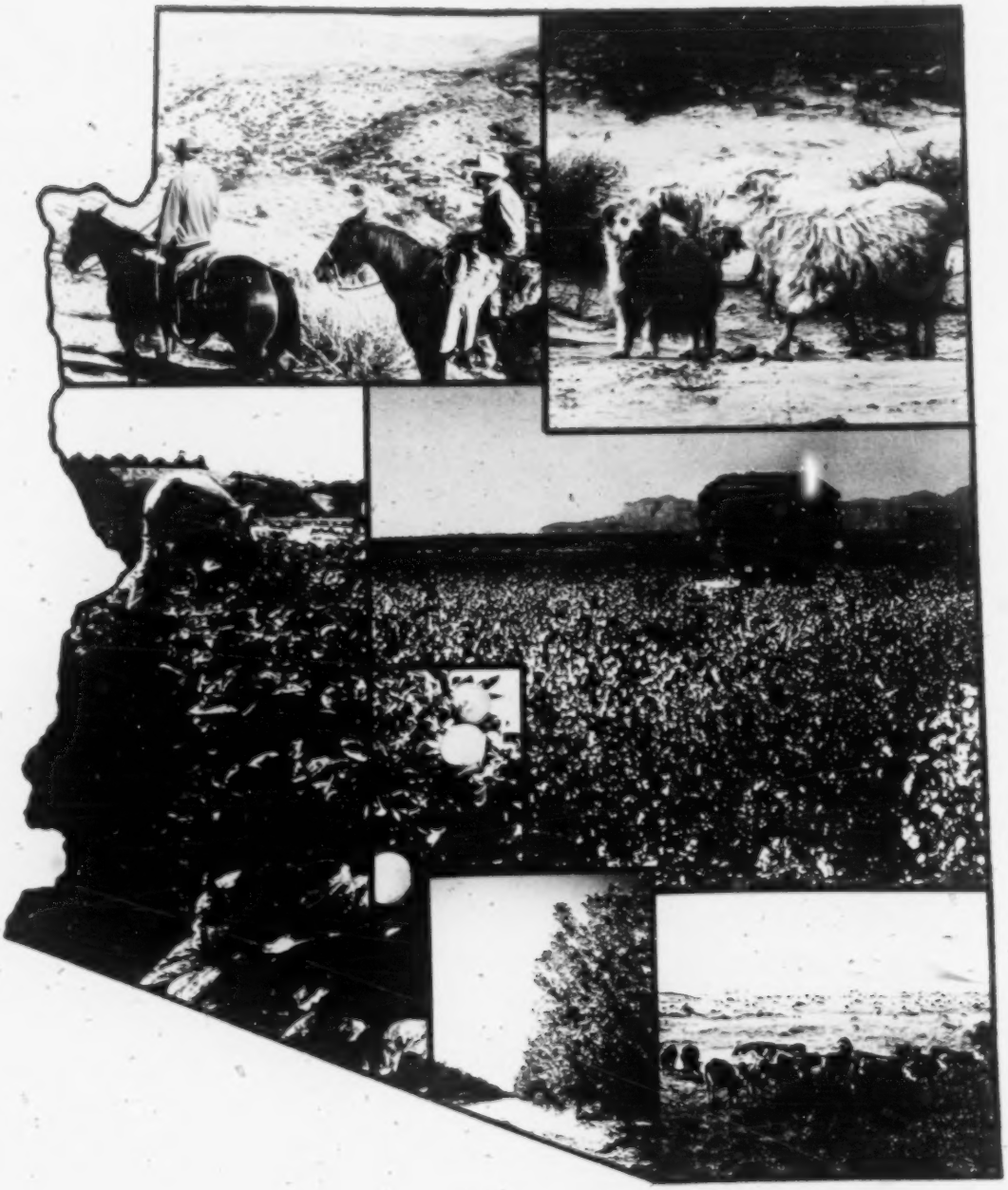
1990 ARIZONA AGRICULTURAL STATISTICS



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ARIZONA AGRICULTURAL STATISTICS SERVICE

USDA - National Agricultural Statistics Service and University of Arizona, College of Agriculture

201 E. Indianola - Suite 250 - Phoenix, Arizona 85012 - Phone (602) 640-2573 - Fax (602) 640-2834

September 1991

Enclosed is a copy of the 1990 "Arizona Agricultural Statistics". We are proud of its change in appearance this year with a color cover and new print design using a laser printer.

Please be advised that significant revisions have been made in cattle on feed county estimates from 1984 to date. The revisions also affected county cash receipts estimates. Since our annual bulletin only covers the most recent five years, revised data for 1984 and 1985 do not appear in this bulletin. If you would like a copy of the revised data, please contact our office.

Sincerely,

Barry L. Bloyd

Barry L. Bloyd
State Statistician

ARIZONA AGRICULTURAL STATISTICS SERVICE
201 E. Indianola, Suite 250, Phoenix, Arizona 85012
(602) 640-2573

Barry L. Bloyd, State Statistician
Debra K. Kenerson, Deputy State Statistician

Cheryl F. Fox
Agricultural Statistician

Todd A. Ballard
Agricultural Statistician

Duane R. Short
Agricultural Statistician

David A. DeWalt
Surveys Statistician

Dean G. Fairchild
Student Assistant

Linda S. Hoffman
Data Processing

Evelyn S. Dye
Bulletin Coordinator

Betty J. Fahy
Administrative Technician

Jonie L. Clark
Statistical Assistant

Alice L. Bryant
Typist - Word Processor

Sharon C. Ricart
Statistical Clerk

Donna F. Ford
Data Entry

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U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service

Charles E. Caudill
Administrator

Donald M. Bay
Deputy Administrator for Operations

Fred S. Barrett
Director, State Statistical Division

THE UNIVERSITY OF ARIZONA
Department of Agricultural Economics

Manuel T. Pacheco
President

Eugene G. Sander
Dean, College of Agriculture

Bruce R. Beattie
Head, Department of Agricultural Economics

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College of Agriculture
Department of Agricultural Economics

THE UNIVERSITY OF
ARIZONA
TUCSON ARIZONA

Economics Building #23
Tucson, Arizona 85721
(602) 621-6241
FAX (602) 621-6250

PREFACE

The twenty-sixth edition of "Arizona Agricultural Statistics" is made possible through the joint effort of The University of Arizona College of Agriculture and the Arizona Agricultural Statistics Service. This publication continues a program started in 1965 to provide quality and detailed descriptive information about Arizona agriculture.

These basic agricultural statistics would not be possible without the assistance of many Arizona farmers and ranchers, agribusiness firms, other state and federal agencies, and various University of Arizona departments. We gratefully acknowledge their cooperation and continued support.

The demand for Arizona agricultural statistics comes from a wide array of individuals and groups. Requests for information come from farmers and farm organizations needing information for product promotion or to support the agricultural industry in an era of increasing urbanization. Agribusiness firms solicit information to evaluate opportunities to expand or relocate in Arizona. State and Federal government agencies require accurate production and price data in order to serve the agricultural community and society generally.

We have made an effort to improve the appearance and clarity of the publication this year and are anxious to hear your comments regarding how we may serve you better in the future.

Barry L. Bloyd

Barry L. Bloyd, State Statistician
Arizona Agricultural Statistics Service
U.S. Department of Agriculture: National
Agricultural Statistics Service

Bruce R. Beattie

Bruce R. Beattie, Head
Department of Agricultural Economics
College of Agriculture
The University of Arizona

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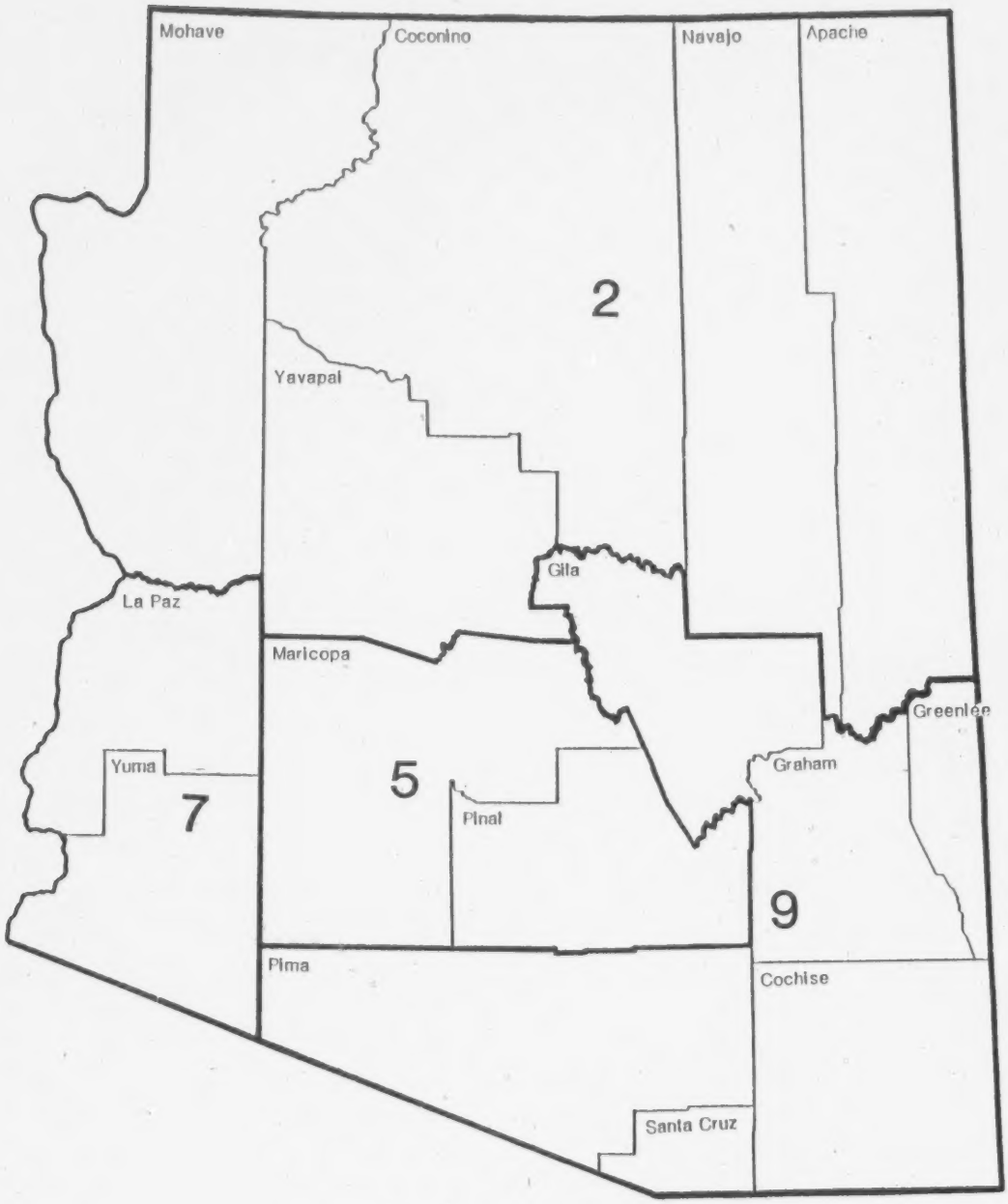
ARIZONA COUNTIES AND CROP REPORTING DISTRICTS



CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1988-90

Crop	Acres Harvested			Production				Value		
	1988	1989	1990	Unit	1988	1989	1990	1988	1989	1990
	1,000 acres				Thousands			1,000 dollars		
ARIZONA										
Barley	13	12	15	Tons	32	30	38	3,177	3,832	4,410
Corn for grain	13	13	7	Tons	56	53	31	6,347	5,655	3,528
Corn for silage	6	7	8	Tons	162	189	216	3,240	3,780	4,536
Upland Cotton	349.0	239.0	348.0	Bales	865.0	649.0	805.0	237,494	205,292	270,094
American-Pima Cotton	128.0	244.5	124.0	Bales	241.0	477.0	194.0	136,502	218,886	94,982
All Cotton	477.0	483.5	472.0	Bales	1,106.0	1,126.0	999.0	373,996	424,178	365,076
Cottonseed				Tons	433.0	423.0	378.0	55,857	46,953	51,408
Alfalfa Hay	155	150	165	Tons	1,225	1,140	1,304	1/	116,280	127,792
Other Hay	25	35	30	Tons	100	140	117	1/	9,800	8,951
All hay	180	185	195	Tons	1,325	1,280	1,421	118,588	126,080	136,743
Durum Wheat	50	84	44	Tons	129	227	124	16,985	31,147	15,096
Other Wheat	35	34	54	Tons	103	95	154	13,480	13,249	16,929
All wheat	85	118	98	Tons	232	322	278	30,465	44,396	32,025
Broccoli	4.3	5.4	5.1	Cwt.	391	540	587	9,697	11,124	10,977
Carrots	1.9	1.4	1.5	Cwt.	238	238	195	2,428	3,737	2,067
Cauliflower	6.1	6.8	6.4	Cwt.	641	782	672	19,935	21,974	15,926
Honeydews	2.4	2.1	2.5	Cwt.	420	336	425	7,266	4,032	10,455
Other lettuce	7.0	6.4	4.4	Cwt.	1,575	1,088	1,100	17,325	11,533	12,870
Western lettuce	42.0	44.5	46.1	Cwt.	11,970	11,793	12,217	304,038	179,254	89,551
Dry onions	1.2	1.1	1.0	Cwt.	450	446	475	3,398	3,816	5,006
Potatoes	5.3	5.8	6.9	Cwt.	1,246	1,827	1,794	11,650	15,164	15,249
Grapefruit	6.0	6.5	6.4	Ctn.	3,900	3,900	4,400	8,788	9,078	22,719
Lemons	15.5	15.5	15.5	Ctn.	7,300	7,600	5,800	31,418	33,935	40,402
Oranges	10.6	10.4	10.2	Ctn.	3,640	3,400	3,140	14,929	14,849	13,341
Tangerines	3.5	3.6	4.0	Ctn.	1,200	1,300	1,200	9,116	9,980	9,892
Grapes	6.7	6.2	5.4	Ton	25.5	26.5	26.0	29,913	17,861	22,616
UNITED STATES										
Barley	7,636	8,313	7,499	Tons	6,960	9,701	10,053	775,228	968,180	900,941
Corn for grain	58,250	64,703	66,952	Tons	138,003	210,714	222,126	12,661,362	17,896,810	18,159,871
Corn for silage	8,294	6,606	6,124	Tons	78,791	86,109	86,844	1/	1/	1/
Upland Cotton	11,759.1	9,166.0	11,504.5	Bales	15,077.3	11,503.9	15,140.9	4,000,746	3,555,480	4,861,440
American-Pima Cotton	189.1	371.7	227.1	Bales	334.2	691.7	358.5	189,742	322,408	179,299
All cotton	11,948.2	9,537.7	11,731.6	Bales	15,411.5	12,195.6	15,499.4	4,190,488	3,877,888	5,040,739
Cottonseed				Tons	6,061.8	4,677.4	5,966.5	718,255	492,683	721,846
Alfalfa Hay	26,750	25,944	25,401	Tons	69,304	77,370	83,555	1/	6,885,818	6,811,628
Other Hay	38,305	37,356	36,156	Tons	56,706	68,142	63,430	1/	4,311,637	3,897,768
All hay	65,055	63,300	61,557	Tons	126,010	145,512	146,985	10,457,326	11,197,455	10,709,396
Durum Wheat	2,847	3,673	3,502	Tons	1,345	2,767	3,665	203,923	316,838	323,510
Other Spring Wheat	10,542	17,007	15,875	Tons	6,164	14,692	17,494	795,717	1,775,450	1,462,988
Winter Wheat	39,800	41,509	49,976	Tons	46,857	43,639	60,999	5,684,359	5,450,176	5,382,334
All wheat	53,189	62,189	69,353	Tons	54,366	61,098	82,158	6,683,999	7,542,464	7,168,832
Broccoli	114.4	116.8	110.8	Cwt.	12,792	13,513	12,345	292,240	276,050	268,220
Carrots	97.6	101.9	94.4	Cwt.	25,867	28,987	29,237	267,552	297,227	272,743
Cauliflower	62.8	67.7	65.8	Cwt.	7,874	7,846	7,855	202,113	204,840	190,350
Honeydews	31.2	29.9	26.5	Cwt.	5,241	5,131	4,520	75,341	62,334	81,636
All lettuce	239.8	243.3	231.3	Cwt.	70,505	75,231	73,443	1,040,366	950,278	846,973
Dry onions	129.0	132.7	138.3	Cwt.	46,733	47,902	52,781	413,996	496,971	488,786
Potatoes	1,259.3	1,281.5	1,359.1	Cwt.	356,438	370,444	393,867	2,143,971	2,716,963	2,409,052
Grapefruit	148.7	150.2	151.7	Ctn.	137,400	139,000	97,200	478,588	418,133	383,878
Lemons	64.5	63.9	62.9	Ctn.	41,300	40,000	37,200	202,046	234,606	278,205
Oranges	574.5	588.7	629.4	Ctn.	400,500	418,100	372,150	1,773,681	1,848,574	1,454,930
Tangerines	19.5	19.3	20.6	Ctn.	10,280	11,180	7,800	80,400	83,119	70,366
Grapes	760.8	745.0	741.3	Tons	6,033.7	5,930.9	5,560.2	1,607,098	1,862,848	1,595,248

1/ Not available.

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1989-91

Specie and class	Inventory 1/			Value 2/		
	1989	1990	1991	1989	1990	1991
	1,000 head			1,000 dollars		
ARIZONA						
CATTLE AND CALVES 3/	880	830	840	497,200	485,550	520,800
Beef cows that have calved	263	259	249			
Milk cows that have calved	92	91	96			
Beef cow replacement heifers	49	48	45			
Milk cow replacement heifers	20	20	20			
Other heifers 500 pounds and over	12	11	13			
Steers 500 pounds and over	262	215	235			
Bulls 500 pounds and over	26	24	26			
Calves under 500 pounds	156	162	156			
Cattle on feed 4/	275	253	232			
HOGS 5/	130	100	110	9,750	8,800	10,230
Breeding hogs	15	12	13			
Market hogs	115	88	97			
Under 60 pounds	44	29	33			
60-119 pounds	27	24	26			
120-179 pounds	23	20	20			
180 pounds and over	21	15	18			
SHEEP AND LAMBS 3/	284	262	250	25,560	23,318	20,000
Stock sheep	239	220	205			
Ewes one year or older	185	170	163			
Rams and wethers one year or older	9	8	7			
Ewe lambs	26	27	22			
Wether and ram lambs	19	15	13			
Sheep and lambs on feed	45	42	45			
GOATS 3/						
Angora goats	100	98	108	5,500	4,900	4,860
CHICKENS 5/	310	320	270	496	768	702
Hens and pullets of laying age	300	315	260			
UNITED STATES						
CATTLE AND CALVES 3/	98,065	98,162	99,436	56,907,654	60,285,432	64,900,175
Beef cows that have calved	33,125	33,200	33,620			
Milk cows that have calved	10,212	10,153	10,159			
Beef cow replacement heifers	5,386	5,418	5,585			
Milk cow replacement heifers	4,161	4,227	4,194			
Other heifers 500 pounds and over	7,603	8,028	8,383			
Steers 500 pounds and over	15,497	15,911	16,548			
Bulls 500 pounds and over	2,182	2,195	2,228			
Calves under 500 pounds	19,899	19,031	18,720			
Cattle on feed 4/	11,440	11,626	12,742			
HOGS 5/	55,469	53,821	54,562	3,677,751	4,255,785	4,657,391
Breeding hogs	7,054	6,862	6,872			
Market hogs	48,415	46,959	47,690			
Under 60 pounds	18,011	17,195	17,881			
60-119 pounds	12,394	12,183	12,224			
120-179 pounds	10,025	9,673	9,679			
180 pounds and over	7,984	7,908	7,906			
SHEEP AND LAMBS 3/	10,858	11,363	11,200	894,912	901,545	734,868
Stock sheep	9,212	9,601	9,471			
Ewes one year or older	7,187	7,609	7,429			
Rams and wethers one year or older	334	356	349			
Ewe lambs	1,344	1,324	1,342			
Wether and ram lambs	346	312	351			
Sheep and lambs on feed	1,646	1,762	1,730			
GOATS 3/						
Angora goats	1,920	1,900	1,780	107,630	94,770	70,885
CHICKENS 5/	356,105	356,234	351,775	726,442	770,822	805,831
Hens and pullets of laying age	275,447	271,064	271,631			

1/ Totals may not add due to rounding. 2/ Annual average published only for the total inventory number. 3/ Estimates are based on January 1 of the current year. 4/ Total cattle on feed included in other classes. 5/ Estimates are based on December 1 of the previous year.

CASH RECEIPTS

Cash receipts are computed as marketing volume multiplied by the price and are usually reported on a calendar-year basis. Marketings come from current production or storage of past year's crop (assuming a crop is storable, such as potatoes). Thus, the quantity available for sale (marketings), can be thought of as coming from current production less shrinkage and the amount used on farms for food, feed, and seed plus change in stored quantity (inventory). On the other hand, value of production, which is generally reported as a crop-year statistic, is computed as production multiplied by the average price. The difference between value of production and cash receipts is usually only important to those commodities which can be stored and thus have a specific marketing pattern which extends through time from the date of harvest.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS AND GOVERNMENT PAYMENTS: Arizona, 1986-90

Commodity Group	1986	1987	1988	1989	1990
			1,000 dollars		
Cotton lint	314,877	337,255	325,837	462,881	386,579
Cottonseed	23,866	29,926	44,787	38,499	41,974
Hay	74,805	89,400	117,012	110,774	119,290
Wheat	31,500	22,906	29,972	42,664	33,676
Barley	6,925	4,434	2,776	2,863	3,305
Corn	4,260	1,959	4,726	4,185	2,776
Sorghum grain	1,789	1,255	1,141	675	1/
Potatoes	9,256	13,829	11,379	15,164	14,890
Lettuce	125,204	159,848	321,363	190,787	102,421
Onions	5,795	11,993	3,398	3,816	5,006
Cauliflower	20,498	21,920	19,935	21,974	15,926
Broccoli	5,474	8,328	9,697	11,124	10,977
Carrots	4,316	4,200	2,428	3,737	2,067
Honeydews	5,555	5,462	7,266	4,032	10,455
Cantaloups	24,830	17,072	21,699	15,653	23,008
Watermelons	8,586	7,869	10,695	9,287	11,911
Miscellaneous vegetables	41,790	46,691	44,063	45,537	50,824
Grapefruit	11,495	10,147	7,703	9,280	20,678
Oranges	19,138	14,126	17,234	12,056	11,074
Lemons	15,823	46,340	22,914	35,292	20,179
Tangerines	4,996	9,886	7,291	10,361	6,835
Apples	2/	2/	2/	2,531	4,892
Grapes	25,070	21,279	29,913	17,861	22,616
Miscellaneous fruits and nuts	24,152	15,845	15,034	13,920	27,381
All other crops 3/	90,767	88,081	92,138	96,883	97,506
TOTAL ALL CROPS	900,767	990,051	1,170,401	1,181,836	1,046,246
Cattle and calves	423,085	483,269	518,411	450,771	504,694
Hogs	33,129	33,232	23,612	19,865	19,738
Sheep and lambs	5,554	10,369	11,587	10,662	9,744
Dairy products	172,847	182,528	184,760	206,176	229,830
Eggs	5,344	3,348	3,082	4,148	4,106
Honey	2,002	1,784	1,753	1,931	1,608
Wool	1,089	1,346	1,890	1,793	977
Miscellaneous livestock and products	53,089	58,214	46,592	48,840	48,549
TOTAL ALL LIVESTOCK AND PRODUCTS	696,139	774,090	791,687	744,186	819,246
TOTAL ALL COMMODITIES	1,596,906	1,764,141	1,962,088	1,926,022	1,865,492
GOVERNMENT PAYMENTS	83,564	97,338	77,834	85,106	4/ 43,300
TOTAL CASH RECEIPTS	1,680,470	1,861,479	2,039,922	2,011,128	1,908,792

1/ Included in all other crops.
2/ Included in miscellaneous fruits and vegetables.
3/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery.
4/ Preliminary
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1986-90

County	1986	1987	1988	1989	1990
			1,000 dollars		
Apache	26,555	28,147	34,897	31,447	36,942
Cochise	53,482	55,658	80,084	68,186	75,392
Coconino	17,852	20,908	26,148	25,908	30,517
Gila	9,185	15,192	16,322	14,435	17,040
Graham	39,365	38,973	49,513	48,177	49,704
Greenlee	6,182	4,669	6,408	6,566	8,020
La Paz	55,325	67,563	73,077	72,430	82,380
Maricopa	639,248	640,330	620,405	676,204	679,902
Mohave	16,556	15,991	18,327	20,707	21,910
Navajo	40,600	47,358	43,734	39,789	43,706
Pima	50,349	50,571	58,215	54,299	59,522
Pinal	300,353	328,520	364,284	391,404	362,012
Santa Cruz	6,282	10,345	10,776	10,159	11,762
Yavapai	27,346	31,446	32,940	35,363	44,067
Yuma	308,226	408,470	526,958	430,948	342,616
ARIZONA	1,596,906	1,764,141	1,962,088	1,926,022	1,865,492

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1986-90

County	1986	1987	1988	1989	1990
			1,000 dollars		
Apache	1,724	1,436	3,344	1,343	1,065
Cochise	28,918	25,363	46,351	37,432	34,898
Coconino	1,915	1,547	2,103	2,332	2,151
Gila	389	312	552	282	189
Graham	21,803	17,725	24,616	28,979	27,152
Greenlee	1,360	1,123	1,930	1,493	1,713
La Paz	54,453	65,404	70,942	70,465	80,859
Maricopa	351,739	362,491	372,214	413,341	394,733
Mohave	6,282	6,209	7,733	10,648	11,492
Navajo	1,843	1,545	3,097	2,629	1,436
Pima	26,368	22,270	27,658	24,023	28,178
Pinal	162,581	163,558	183,639	246,131	205,795
Santa Cruz	348	1,974	1,369	2,043	2,304
Yavapai	2,190	2,197	4,031	1,901	1,127
Yuma	238,854	316,897	420,822	338,794	253,154
ARIZONA	900,767	990,051	1,170,401	1,181,836	1,046,246

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1986-90

County	1986	1987	1988	1989	1990
			1,000 dollars		
Apache	24,831	26,711	31,553	30,104	35,877
Cochise	24,564	30,295	33,733	30,754	40,494
Coconino	15,937	19,361	24,045	23,576	28,366
Gila	8,796	14,880	15,770	14,153	16,851
Graham	17,562	21,248	24,897	19,198	22,552
Greenlee	4,822	3,546	4,478	5,073	6,307
La Paz	872	2,159	2,135	1,965	1,521
Maricopa	287,509	277,839	248,191	262,863	285,169
Mohave	10,274	9,782	10,594	10,059	10,418
Navajo	38,757	45,813	40,637	37,160	42,270
Pima	23,981	28,301	30,557	30,276	31,344
Pinal	137,772	164,962	180,645	145,273	156,217
Santa Cruz	5,934	8,371	9,407	8,116	9,458
Yavapai	25,156	29,249	28,909	33,462	42,940
Yuma	69,372	91,573	106,136	92,154	89,462
ARIZONA	696,139	774,090	791,687	744,186	819,246

FARM INCOME INDICATORS: Arizona, 1985-90

Item	1985	1986	1987	1988	1989	1990
			Million dollars			
Gross farm income 1/	1,817.5	1,711.9	1,991.2	2,118.7	2,105.9	2,055.5
Cash income	1,724.8	1,763.3	1,950.6	2,114.1	2,106.4	1,965.7
Farm marketings	1,546.9	1,602.5	1,764.1	1,962.1	1,926.0	1,865.5
Crops	845.9	906.4	990.1	1,170.4	1,181.8	1,046.2
Livestock and products	701.0	696.1	774.1	791.7	744.2	819.2
Government payments	95.3	83.6	97.3	77.8	85.1	43.3
Other farm income	82.6	77.2	89.1	74.2	95.3	56.8
Machine hire/customwork	5.6	6.7	7.0	6.2	7.3	7.6
Other farm-related income 2/	77.0	70.5	82.1	68.0	88.0	49.2
Noncash income	39.3	40.2	42.6	38.4	34.2	32.9
Value of home consumption	5.9	4.6	6.6	4.7	4.5	4.6
Rental value of dwellings	33.4	35.5	36.1	33.7	29.7	28.2
Operator and other dwellings	27.1	29.7	30.4	27.9	24.3	22.0
Hired laborer dwellings	6.4	5.8	5.7	5.7	5.5	6.2
Value of inventory adjustment	53.3	-91.6	-2.0	-33.7	-34.7	57.0
Total production expenses 1/	1,388.6	1,267.8	1,362.6	1,391.1	1,400.1	1,454.7
Intermediate product expenses	796.0	783.2	872.2	900.7	896.0	926.7
Farm origin	372.1	334.7	390.5	428.4	383.5	449.3
Feed purchased	206.1	184.6	200.0	213.8	201.7	211.9
Livestock and poultry purchased	151.1	134.4	174.0	197.5	163.7	219.2
Seed purchased	14.9	15.7	16.6	17.1	18.1	18.2
Manufactured inputs	201.3	178.7	181.3	189.1	198.7	204.3
Fertilizer and lime	56.3	47.9	48.2	52.0	56.7	51.5
Pesticides	56.7	55.3	56.4	57.2	68.0	71.6
Fuel and oil	52.1	43.1	40.7	41.8	40.8	48.7
Electricity	36.2	32.3	36.0	38.1	33.2	32.5
Other	222.6	269.9	300.4	283.3	313.7	273.1
Repair and maintenance	36.1	36.4	40.1	37.0	37.6	36.7
Other miscellaneous 3/	186.5	233.5	260.4	246.3	276.1	236.4
Interest	182.6	164.0	162.3	166.5	168.0	166.4
Real estate	65.0	60.0	57.8	62.0	63.9	63.6
Nonreal estate	117.6	104.0	104.5	104.5	104.1	102.8
Contract and hired labor expenses	192.9	180.7	188.5	196.9	208.6	235.5
Cash labor expenses 4/	183.8	172.6	179.2	187.8	199.8	225.9
Perquisites	9.1	8.1	9.4	9.1	8.8	9.6
Net rent to nonoperator landlords	39.0	30.3	30.9	25.3	25.4	24.4
Capital consumption	149.4	91.4	85.7	79.0	76.4	73.5
Property taxes	28.7	18.2	23.0	22.9	25.8	28.2
NET FARM INCOME	428.9	444.1	628.6	727.6	705.8	600.8
Cash income 5/	1,724.8	1,763.3	1,950.6	2,114.1	2,106.4	1,965.7
Cash expenses 5/	1,221.8	1,161.2	1,259.9	1,295.3	1,310.0	1,364.8
Intermediate product expenses	790.5	778.2	866.6	895.7	892.4	922.7
Interest	180.9	162.6	161.2	164.7	167.7	164.7
Cash labor expenses 4/	183.8	172.6	179.2	187.8	199.8	225.9
Net rent to nonoperator landlords	39.0	30.3	30.9	25.3	25.4	24.4
Property taxes	27.5	17.5	22.0	21.9	24.7	27.1
NET CASH INCOME	503.0	602.2	690.7	818.8	796.4	600.9
Cash income 5/	1,724.8	1,763.3	1,950.6	2,114.1	2,106.4	1,965.7
Cash expenses 5/	1,221.8	1,161.2	1,259.9	1,295.3	1,310.0	1,364.8
Capital consumption 5/	138.2	80.4	74.5	68.4	66.8	64.5
NET BUSINESS INCOME 6/	364.9	521.8	616.1	750.4	729.6	536.4
Gross receipts of farms 7/	1,790.4	1,682.2	1,960.9	2,090.8	2,081.7	2,033.5
Nonfactor payments 5/	956.2	876.1	963.2	986.0	984.0	1,014.3
Intermediate product expenses	790.5	778.2	866.6	895.7	892.4	922.7
Capital consumption	138.2	80.4	74.5	68.4	66.8	64.5
Property taxes	27.5	17.5	22.0	21.9	24.7	27.1
Factor payments 5/	834.3	806.1	997.7	1,104.8	1,097.7	1,019.2
Interest	180.9	162.6	161.2	164.7	167.7	164.7
Contract and hired labor expenses	192.9	180.7	188.5	196.9	208.6	235.5
Net rent to nonoperator landlords	39.0	30.3	30.9	25.3	25.4	24.4
RETURNS TO OPERATORS 8/	421.4	432.5	617.1	718.0	696.0	594.6
Off-farm income 9/	284.8	277.0	281.3	280.7	281.3	328.8

1/ Includes operator dwellings. 2/ Includes forest product sales, custom feeding services, and other farm business-related income. 3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous. expenses. 4/ Includes contract labor expenses, hired labor wages, and Social Security payments. 5/ Excludes operator dwellings. 6/ Cash income less cash expenses and capital consumption. 7/ Gross farm income less rental value of operator dwellings. 8/ Gross receipts of farm businesses less nonfactor payments, interest, contract and hired labor expenses, and net rent to nonoperator landlords. 9/ Includes off-farm cash income for the principal farm operator and members of that farm operator's family.

GOVERNMENT PAYMENTS: By program, Arizona, 1985-89

Year	Conservation 1/	Feed grain	Wheat	Cotton	Wool act	Miscellaneous 2/	Total
				1,000 dollars			
1985	2,124	1,406	2,861	81,953	1,587	5,361	95,292
1986	1,385	2,606	4,290	65,948	2,096	7,239	83,564
1987	1,574	5,028	6,185	78,973	2,588	2,990	97,338
1988	1,782	3,983	5,401	62,806	1,850	2,012	77,834
1989	2,031	2,527	1,176	73,089	1,179	5,104	85,106

1/ Includes amount paid under agriculture and conservation programs.
2/ Includes Dairy Indemnity Program, Payment-In-Kind Program, Rural Clean Water Program, Clean Lakes Program, Forest Incentive Program, Water Bank Program, Emergency Livestock Feed Program, Extended Storage Program, Milk Diversion Program, and Animal and Plant Health Inspection Service Indemnity Program.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona, 1985-89 1/

Year	Livestock and products	Crops	Total
		1,000 dollars	
1985	4,996	889	5,885
1986	3,716	889	4,605
1987	5,936	632	6,568
1988	4,183	604	4,787
1989	4,220	523	4,743

1/ Value of farm products consumed directly in farm households where produced.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1985-89

Year	Net loans 1/	Loans liquidated 2/
	1,000 dollars	
1985	89,682	2,149
1986	-13,733	3,071
1987	-22,754	1,929
1988	6,092	221
1989	-9,304	665

1/ Loans made minus loans repaid.
2/ Loans acquired by Commodity Credit Corporation plus loans charged off.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM BALANCE SHEET INCLUDING OPERATOR HOUSEHOLDS: Arizona, December 31, 1985-89

Item	1985	1986	1987	1988	1989
			Million dollars		
TOTAL FARM ASSETS	11,485.4	12,553.9	11,862.4	11,536.4	11,236.4
Real estate	10,156.8	11,130.4	10,323.0	10,081.7	9,648.0
Livestock and poultry	426.9	422.8	518.2	533.3	519.9
Machinery and motor vehicles	444.3	447.6	437.0	430.2	448.2
Crops	55.2	66.0	64.9	44.2	50.2
Purchased inputs	12.2	19.7	46.5	45.1	35.1
Household equipment and furnishings	131.1	135.8	155.6	174.9	195.6
Investments in cooperatives	119.0	161.4	137.5	145.4	161.2
Other financial	139.8	170.3	179.7	181.6	178.3
TOTAL FARM DEBT	1,693.3	1,796.8	1,731.6	1,643.9	1,637.2
Real estate debt	680.6	705.2	672.6	671.7	666.6
Nonreal estate debt	1,012.7	1,091.6	1,059.0	972.2	970.7
EQUITY	9,792.1	10,757.1	10,130.8	9,992.5	9,599.2
RATIOS			Percent		
Equity/assets	85.3	85.7	85.4	85.9	85.4
Debt/equity	17.3	16.7	17.1	16.5	17.1
Debt/assets	14.7	14.3	14.6	14.1	14.6

Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

REAL ESTATE FARM DEBT INCLUDING OPERATOR HOUSEHOLDS: Arizona, December 31, 1985-89

Year	Farm Credit System 1/	Farmers Home Admininistration	Life insurance companies	All operating banks	Individuals and others	Total debt 2/
			Million dollars			
1985	169	77	159	58	217	681
1986	157	72	161	122	192	705
1987	144	72	156	136	165	673
1988	134	67	163	163	144	672
1989	118	62	168	183	136	667

1/ Federal land banks debt prior to 1988.
2/ Totals may not add due to rounding.

NONREAL ESTATE FARM DEBT INCLUDING OPERATOR HOUSEHOLDS: Arizona, December 31, 1985-89

Year	All operating banks	Farm Credit System 1/	Farmers Home Administration	Total debt owed to reporting institutions	Debt owed to individuals and others	Total 2/	Commodity Credit Corporation crop loans
				Million dollars			
1985	512	209	207	928	85	1,013	90
1986	550	183	197	930	162	1,092	74
1987	572	167	183	922	138	1,059	49
1988	501	153	169	823	149	972	56
1989	493	172	151	816	155	971	47

1/ Farm Credit System loans were reported separately for production credit association and Federal intermediate credit bank loans made through other financial institutions.
2/ Totals may not add due to rounding.

REAL ESTATE FARM DEBT EXCLUDING OPERATOR HOUSEHOLDS: Arizona, December 31, 1985-89

Year	Farm Credit System 1/	Farmers Home Admininistration	Life insurance companies	All operating banks	Individuals and others	Total debt 2/
			Million dollars			
1985	165	75	155	56	212	663
1986	154	71	158	120	188	690
1987	140	70	152	133	161	656
1988	131	66	158	159	140	654
1989	115	60	163	178	132	649

1/ Federal land banks debt prior to 1988.
2/ Totals may not add due to rounding.

NONREAL ESTATE FARM DEBT EXCLUDING OPERATOR HOUSEHOLDS: Arizona, December 31, 1985-89

Year	All operating banks	Farm Credit System 1/	Farmers Home Administration	Total debt owed to reporting institutions	Debt owed to individuals and others	Total 2/	Commodity Credit Corporation crop loans
				Million dollars			
1985	486	201	182	869	83	953	90
1986	522	176	173	871	159	1,030	74
1987	543	160	161	864	135	999	49
1988	476	147	149	772	146	918	56
1989	469	165	133	767	152	918	47

1/ Farm Credit System loans were reported separately for production credit association and Federal intermediate credit bank loans through other financial institutions prior to 1988.
2/ Totals may not add due to rounding.

NUMBER OF FARMS AND RANCHES

Farm and ranch numbers in Arizona reached a peak of 8,600 in 1986, but have since declined to a current level of 7,800. Land in Arizona farms and ranches has continued to decrease and now totals 36.0 million acres. Nationally, farm numbers and land in farms continues to decline. A farm or ranch is defined as an establishment from which $1,000 or more of agricultural products were sold, or normally could be sold.

In Arizona, a large number of the farms and ranches are mini-farms located in the suburban areas of the state. The 1987 census of agriculture showed that 28 percent of the State's farms were places of less than 10 acres while nearly 75 percent were places of less than 500 acres.

Land in farms, along with "average size" of farm can be misleading, especially in the western states, since, by definition, it excludes all state and federal public grazing lands which are leased on a per-head basis rather than a per-acre basis.

Also, Indian lands that cannot be accounted for in the usual individual operator manner are reported as one farm or ranch by a central tribal source. In Arizona, Indian lands contribute over 20 million acres to the State's land in farms and ranches. The Navajo nation, as one farm, accounts for almost half of the Indian land.

In order to present a picture of an average cotton farm, there were approximately 1,200 cotton farms tabulated in the 1987 census of agriculture. These farms had an average of 320 acres of cotton. However, excluding those farms with less than 100 acres results in a typical irrigated cotton farm of 405 acres.

NUMBER OF FARMS AND RANCHES: Selected States, 1986-90

State	1986	1987	1988	1989	1990
			Number		
ARIZONA	8,600	8,400	8,100	8,100	7,800
California	83,000	83,000	84,000	84,000	85,000
Colorado	26,600	27,000	27,300	27,000	26,500
Idaho	24,000	23,000	22,500	22,100	21,800
Montana	24,400	24,500	24,600	24,700	24,700
Nevada	2,700	2,600	2,600	2,500	2,500
New Mexico	14,000	14,000	14,000	14,000	13,500
Oregon	37,000	37,000	36,500	37,000	36,500
Texas	190,000	188,000	187,000	186,000	186,000
Utah	13,700	13,600	13,300	13,000	13,200
Washington	38,000	38,000	38,000	38,000	37,000
Wyoming	9,000	8,800	8,900	8,900	8,900
UNITED STATES	2,249,820	2,212,960	2,197,140	2,170,520	2,143,150

LAND IN FARMS AND RANCHES: Selected States, 1986-90

State	1986	1987	1988	1989	1990	Average size of farms and ranches 1990
			1,000 acres			Acres
ARIZONA	37,200	37,000	36,500	36,000	36,000	4,615
California	32,200	31,900	31,600	31,300	30,800	362
Colorado	34,200	34,000	33,700	33,500	33,100	1,249
Idaho	14,200	13,800	13,700	13,700	13,700	628
Montana	60,900	60,800	60,700	60,600	60,500	2,449
Nevada	8,900	8,900	8,900	8,900	8,900	3,560
New Mexico	44,600	44,600	44,500	44,500	44,500	3,296
Oregon	17,900	17,900	17,800	17,800	17,800	488
Texas	134,000	133,200	132,000	132,000	132,000	710
Utah	11,400	11,300	11,300	11,300	11,300	856
Washington	16,000	16,000	16,000	16,000	16,000	432
Wyoming	34,800	34,800	34,800	34,800	34,800	3,910
UNITED STATES	1,005,333	998,923	994,543	991,153	987,721	461

CROP RECORDS: Acreage, yield, and production, Arizona

Crop	Date series began	Record	Acreage		Yield			Production		
			Harvested	Year 1/	Unit	Per acre	Year 1/	Unit	Total	Year 1/
			1,000 acres						Thousands	
All Cotton	1912	High	690.0	1953	Pounds	1,342.0	1987	Bales	1,609.7	1981
		Low	0.4	1912		212.0	1920		0.3	1912
Upland Cotton	1917	High	648.5	1953	Pounds	1,410.0	1987	Bales	1,556.0	1981
		Low	8.0	1917		228.0	1922		7.1	1917
American-Pima Cotton	1912	High	244.5	1989	Pounds	1,126.0	1987	Bales	477.0	1989
		Low	0.3	1947		180.0	1943		0.2	1947
Cottonseed	1917	High						Tons	631	1981
		Low							10	1917
All Hay	1909	High	332	1944	Tons	7.36	1988	Tons	1,438	1973
		Low	98	1909		1.97	1940		237	1909
Alfalfa Hay	1919	High	237	1944	Tons	7.90	1990	Tons	1,348	1973
		Low	82	1920		2.20	1940		238	1920
All Wheat	1909	High	431	1976	Pounds	5,680	1990	Tons	970	1976
		Low	15	1954		870	1941		9	1910
Durum Wheat	1976	High	319	1976	Pounds	5,640	1990	Tons	718	1976
		Low	46	1985		4,200	1978		115	1987
Other Wheat	1964	High	260	1975	Pounds	5,880	1988	Tons	546	1975
		Low	23	1966		2,400	1966		28	1966
Barley	1909	High	268	1954	Pounds	5,040	1990	Tons	334	1954
		Low	8	1928		1,200	1922		6	1928
Corn for Grain	1919	High	50	1978	Pounds	8,960	1990	Tons	161	1978
		Low	7	1990		520	1944		6	1924
Corn for Silage	1919	High	18	1978	Tons	27.0	1990	Tons	360	1978
		Low	2	1934		5.0	1935		10	1934
Potatoes	1899	High	12.8	1969	Cwt.	315.0	1989	Cwt.	2,944	1969
		Low	1.0	1912		18.0	1900		18	1900
All Oranges	1919/20	High						Cartons	10,520	1968/69
		Low							108	1927/28
Navel Oranges	1934/35	High						Cartons	2,300	1968/69
		Low							194	1934/35
Valencia Oranges	1934/35	High						Cartons	8,220	1968/69
		Low							146	1936/37
Grapefruit	1919/20	High						Cartons	8,200	1946/47
		Low							58	1919/20
Lemons	1958/59	High						Cartons	14,400	1974/75
		Low							680	1958/59
Tangerines	1964/65	High						Cartons	2,300	1983/84
		Low							280	1964/65
All Grapes	1909	High						Tons	31,000	1987
		Low							250	1920

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.

FIELD CROPS

HIGHLIGHTS - 1990 CROP YEAR

Arizona farmers and ranchers experienced abnormal growing conditions during the 1990 crop season. Cooler and wetter conditions in January and February were followed by warmer but wetter March and April. The wetter weather delayed cotton planting and caused some replanting to occur. Although cotton planting was delayed, cotton progressed ahead of schedule due to the extremely hot temperatures of May and June. July and August brought relief from the heat through rain showers. Farmers and ranchers saw above average rainfall during these months which contributed to the already existing insect problems in cotton. Final cotton yields were down considerably from previous years. Although, cotton producers didn't fair well, small grains and hay growers recorded yields above the previous year.

COTTON ACREAGE DOWN

Cotton field preparations were well under way in January. Planting in the west was well under way by mid-March, with the central and eastern regions being delayed due to low soil temperatures. By the first of April cotton planting was in full force. Upland cotton acreage was up from the previous year while American-Pima cotton acreage was down. Due to the delay in planting, cotton progress was behind normal for the first part of the season. The cotton crop progressed rather rapidly because of the extreme temperatures during May and June that allowed it make up for the planting delay. Cotton harvest began in late August and was completed by the end of December. Cotton yields were well below normal because of the severe damage caused by the pink bollworm and Lygus bug throughout the state. Also, record high temperatures in June severely affected the yields.

ALL WHEAT ACREAGE DOWN

All wheat acreage was down in 1990 primarily due to the decrease in Durum wheat acreage. Other wheat acreage was up from the previous year. A large percentage of the acreage was planted by the first of January and the crop was beginning to joint by the middle of February. The warm spring allowed the crop to progress ahead of normal. Harvest began by mid-May and was completed by the first of July. Yields on Durum wheat, other wheat, and barley were all up from the previous season.

ALFALFA HAY YIELDS UP

Alfalfa acreage was up from the previous year. The year began with green chopping and heavy sheeping off. In the southeast region new stands were being seeded during February. First cuttings got under way during the first part of March. Weather conditions were favorable for alfalfa for the most part throughout the season. Isolated rain showers caused some damage to the crop during the months of July, August, and September. Hay harvesting tapered off by mid-November and was virtually complete by mid-December.

CORN ACREAGE DOWN

The state's 1990 corn planted acreage was down from the 1989 acreage. The state's corn acreage was planted in March and April. Most of the corn planted in Arizona was cut for silage. The corn harvested for grain resulted in yields that were up compared to the previous year. Corn harvested for silage began in July. Corn harvested for grain began in late September and was completed by late October.

UPLAND COTTON: Acreage, yield, production, Arizona, by counties, 1986-90 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					**COCHISE**				
1986	0				1986	11,100	11,000	877	20,100
1987	0				1987	12,900	12,800	821	21,900
1988	0				1988	17,500	17,400	745	27,000
1989	0				1989	14,100	13,900	701	20,300
1990	0				1990	15,400	15,200	707	22,400
COCONINO					**GILA**				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
1990	0				1990	0			
GRAHAM					**GREENLEE**				
1986	8,800	8,800	1,036	19,000	1986	800	800	960	1,600
1987	9,000	8,900	1,014	18,800	1987	900	900	907	1,700
1988	10,000	9,900	1,149	23,700	1988	1,100	1,100	873	2,000
1989	4,900	4,800	1,060	10,600	1989	900	900	800	1,500
1990	7,900	7,400	1,038	16,000	1990	1,000	1,000	816	1,700
LA PAZ					**MARICOPA**				
1986	16,800	16,800	1,366	47,800	1986	102,600	102,400	1,331	284,000
1987	23,600	23,600	1,379	67,800	1987	119,800	119,600	1,468	365,800
1988	30,300	30,200	1,256	79,000	1988	148,400	148,200	1,181	364,500
1989	15,000	14,900	1,392	43,200	1989	109,000	108,800	1,337	303,000
1990	25,000	25,000	1,313	68,400	1990	145,700	145,000	1,163	351,400
MOHAVE					**NAVAJO**				
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
1988	5,200	5,200	1,071	11,600	1988	0			
1989	4,700	4,600	1,242	11,900	1989	0			
1990	5,300	5,300	1,186	13,100	1990	0			
PIMA					**PINAL**				
1986	7,800	7,600	1,137	18,000	1986	78,600	78,400	1,356	221,500
1987	8,600	8,500	1,203	21,300	1987	83,500	83,200	1,477	256,000
1988	9,600	9,400	1,123	22,000	1988	98,300	98,200	1,262	258,200
1989	6,200	6,100	1,086	13,800	1989	70,000	69,900	1,387	202,000
1990	10,600	10,600	906	20,000	1990	114,500	113,900	1,062	252,000
SANTA CRUZ					**YAVAPAI**				
1986	0				1986	0			
1987	0				1987	0			
1988	2/				1988	0			
1989	0				1989	0			
1990	0				1990	0			
YUMA					**ARIZONA**				
1986	19,400	19,100	1,342	53,400	1986	250,000	249,000	1,301	675,000
1987	27,200	27,000	1,484	83,500	1987	290,000	289,000	1,410	849,000
1988	29,600	29,400	1,257	77,000	1988	350,000	349,000	1,190	865,000
1989	15,200	15,100	1,357	42,700	1989	240,000	239,000	1,303	649,000
1990	24,600	24,600	1,171	60,000	1990	350,000	348,000	1,110	805,000

1/ Production estimates are for 480 pound net weight bales.

2/ Acres included with Pima County to avoid disclosure of individual operations.

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1986-90 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	Acres		Lbs.	Bales	Cents per lb.	1,000 dol.
1986	250,000	249,000	1,301	675,000	54.3	175,932
1987	290,000	289,000	1,410	849,000	65.7	267,741
1988	350,000	349,000	1,190	865,000	57.2	237,494
1989	240,000	239,000	1,303	649,000	65.9	205,292
1990	350,000	348,000	1,110	805,000	69.9	270,094

1/ Production estimates are for 480 pound net weight bales.

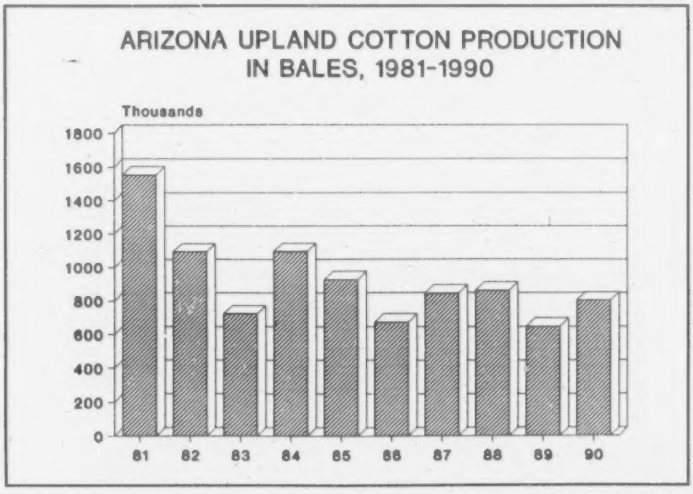
2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.

UPLAND COTTON: Farm marketings, Arizona, 1985/86-1989/90

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
					Percent							
1985/86	.7	2.3	8.0	1[illegible].8	13.1	19.7	3.6	1.9	2.5	2.5	19.7	13.2
1986/87	1.0	5.9	2.2	24.5	31.4	13.0	4.0	3.1	5.5	4.2	3.6	1.6
1987/88	1.3	6.4	15.8	24.5	22.9	11.9	6.5	1.6	3.4	.2	5.2	.3
1988/89	1.9	4.5	8.3	17.9	26.6	8.0	12.3	6.1	4.1	3.5	.2	6.6
1989/90	3.1	2.7	15.1	35.1	9.3	7.9	11.3	4.4	3.7	3.7	.7	3.0

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Marketing year average
						Cents per pound							
1986/87	64.7	55.6	52.4	50.2	55.7	54.6	53.0	49.0	49.8	54.7	68.6	71.0	54.3
1987/88	78.0	67.9	65.1	65.8	66.6	64.4	63.0	59.4	65.2	66.0	67.0	57.6	65.7
1988/89	56.6	58.1	54.1	56.3	54.7	53.9	57.9	56.4	67.3	61.7	60.3	68.0	57.2
1989/90	73.7	63.2	66.4	67.0	64.1	59.5	63.1	64.6	67.8	73.6	64.4	69.7	65.9
1990/91	--	70.2	68.7	70.6	72.2	65.9	68.5	73.2					69.9



AMERICAN-PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					**COCHISE**				
1986	0				1986	2,500	2,500	691	3,600
1987	0				1987	2,100	2,100	869	3,800
1988	0				1988	1,200	1,200	560	1,400
1989	0				1989	6,300	6,000	624	7,800
1990	0				1990	4,200	4,100	597	5,100
COCONINO					**GILA**				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
1990	0				1990	0			
GRAHAM					**GREENLEE**				
1986	11,800	11,800	842	20,700	1986	0			
1987	12,800	12,700	801	21,200	1987	0			
1988	14,300	14,300	873	26,000	1988	0			
1989	20,000	20,000	902	37,600	1989	*			
1990	16,600	16,100	865	29,000	1990	*			
LA PAZ					**MARICOPA**				
1986	3,400	3,400	932	6,600	1986	17,800	17,700	941	34,700
1987	4,800	4,800	940	9,400	1987	22,300	22,300	1,248	58,000
1988	6,400	6,400	975	13,000	1988	33,400	33,400	862	60,000
1989	17,700	17,700	814	30,000	1989	63,300	63,200	919	121,000
1990	6,100	6,100	905	11,500	1990	24,500	24,300	672	34,000
MOHAVE					**NAVAJO**				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	700	700	891	1,300	1989	0			
1990	500	500	480	500	1990	0			
PIMA					**PINAL**				
1986	3,200	3,200	840	5,600	1986	33,200	33,100	1,066	73,500
1987	3,400	3,400	847	6,000	1987	42,100	42,100	1,214	106,500
1988	5,300	5,300	734	8,100	1988	60,800	60,800	941	119,200
1989	8,500	8,400	629	11,000	1989	114,000	114,000	1,012	240,300
1990	3,100	3,100	650	4,200	1990	65,700	65,500	755	103,000
SANTA CRUZ					**YAVAPAI**				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
1990	*				1990	0			
YUMA					**ARIZONA**				
1986	2,100	2,100	823	3,600	1986	74,000	73,800	965	148,300
1987	3,500	3,400	1,144	8,100	1987	91,000	90,800	1,126	213,000
1988	6,600	6,600	967	13,300	1988	128,000	128,000	904	241,000
1989	14,100	14,100	940	27,600	1989	245,000	244,500	936	477,000
1990	4,000	4,000	780	6,500	1990	125,000	124,000	751	194,000

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

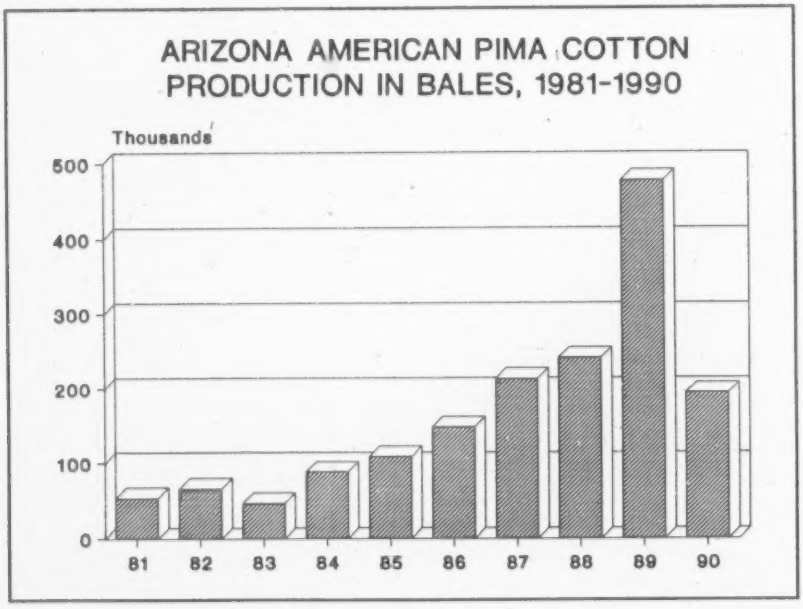
1/ Production estimates are for 480 pound net weight bales.

AMERICAN-PIMA COTTON: Acreage, yield, production, and value, Arizona, 1986-90 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	Acres		Lbs.	Bales	Cents per lb.	1,000 dol.
1986	74,000	73,800	965	148,300	89.2	63,496
1987	91,000	90,800	1,126	213,000	104.0	106,330
1988	128,000	128,000	904	241,000	118.0	136,502
1989	245,000	244,500	936	477,000	95.6	218,886
1990	125,000	124,000	751	194,000	102.0	94,982

1/ Production estimates are for 480 pound net weight bales.

2/ Average price for the August through July marketing season. Price does not include an allowance for loans outstanding and government purchases.



ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					**COCHISE**				
1986	0				1986	13,600	13,500	843	23,700
1987	0				1987	15,000	14,900	828	25,700
1988	0				1988	18,700	18,600	733	28,400
1989	0				1989	20,400	19,900	678	28,100
1990	0				1990	19,600	19,300	684	27,500
COCONINO					**GILA**				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
1990	0				1990	0			
GRAHAM					**GREENLEE**				
1986	20,600	20,600	925	39,700	1986	800	800	960	1,600
1987	21,800	21,600	889	40,000	1987	900	900	907	1,700
1988	24,300	24,200	986	49,700	1988	1,100	1,100	873	2,000
1989	24,900	24,800	933	48,200	1989	*			
1990	24,500	23,500	919	45,000	1990	*			
LA PAZ					**MARICOPA**				
1986	20,200	20,200	1,293	54,400	1986	120,400	120,100	1,274	318,700
1987	28,400	28,400	1,305	77,200	1987	142,100	141,900	1,434	423,800
1988	36,700	36,600	1,207	92,000	1988	181,800	181,600	1,122	424,500
1989	32,700	32,600	1,078	73,200	1989	172,300	172,000	1,183	424,000
1990	31,100	31,100	1,233	79,900	1990	170,200	169,300	1,093	385,400
MOHAVE					**NAVAJO**				
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
1988	5,200	5,200	1,071	11,600	1988	0			
1989	5,400	5,300	1,195	13,200	1989	0			
1990	5,800	5,800	1,126	13,600	1990	0			
PIMA					**PINAL**				
1986	11,000	10,800	1,049	23,600	1986	111,800	111,500	1,270	295,000
1987	12,000	11,900	1,101	27,300	1987	125,600	125,300	1,389	362,500
1988	14,900	14,700	983	30,100	1988	159,100	159,000	1,139	377,400
1989	14,700	14,500	821	24,800	1989	184,000	183,900	1,154	442,300
1990	13,700	13,700	848	24,200	1990	180,200	179,400	950	355,000
SANTA CRUZ					**YAVAPAI**				
1986	0				1986	0			
1987	0				1987	0			
1988	2/				1988	0			
1989	*				1989	0			
1990	*				1990	0			
YUMA					**ARIZONA**				
1986	21,500	21,200	1,291	57,000	1986	324,000	322,800	1,224	823,300
1987	30,700	30,400	1,446	91,600	1987	381,000	379,800	1,342	1,062,000
1988	36,200	36,000	1,204	90,300	1988	478,000	477,000	1,113	1,106,000
1989	29,300	29,200	1,156	70,300	1989	485,000	483,500	1,118	1,126,000
1990	28,600	28,600	1,116	66,500	1990	475,000	472,000	1,016	999,000

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Production estimates are for 480 pound net weight bales.

2/ Acres included with Pima County to avoid disclosure of individual operations.

ALL COTTON: Acreage, yield, production, and value, Arizona, 1986-90 1/

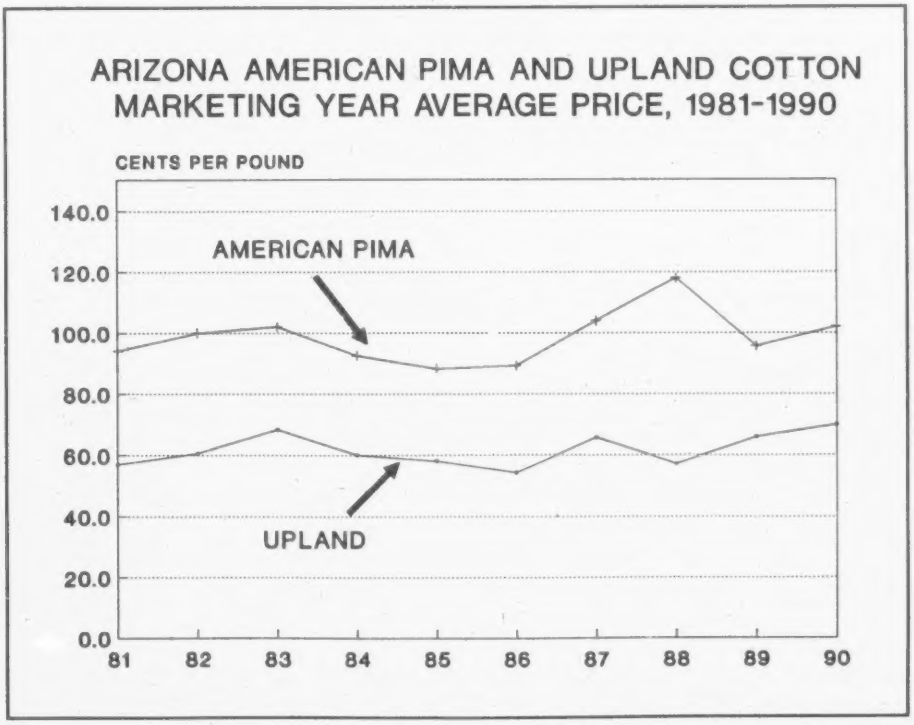
Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	Acres		Lbs.	Bales	1,000 dol.
1986	324,000	322,800	1,224	823,300	239,428
1987	381,000	379,800	1,342	1,062,000	374,071
1988	478,000	477,000	1,113	1,106,000	373,996
1989	485,000	483,500	1,118	1,126,000	424,178
1990	475,000	472,000	1,016	999,000	365,076

1/ Production estimates are for 480 pound net weight bales.

COTTONSEED: Production, disposition, price, and value, Arizona, 1986-90

Year	Production	Farm disposition		Used for planting 2/	Marketing year average price 3/	Value of production	Value of sales to oil mills
		Sales to oil mills	Other uses 1/				
	1,000 tons				Dol. per ton	1,000 dollars	
1986	309.0	253.0	56.0	2.6	95.00	29,355	24,035
1987	390.0	257.0	133.0	4.3	95.50	37,245	24,544
1988	433.0	259.0	174.0	4.4	129.00	55,857	33,411
1989	423.0	246.0	177.0	4.3	111.00	46,953	27,306
1990	378.0	193.0	185.0	4.0	136.00	51,408	26,248

1/ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.
2/ Included in "other" farm disposition. Planting seed from previous year's crop.
3/ Average price for the August through July marketing season.



DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1986-90

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1986	*				1986	*			
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
COCONINO					GILA				
1986	*				1986	0			
1987	*				1987	0			
1988	0				1988	*			
1989	0				1989	*			
1990	0				1990	*			
GRAHAM					GREENLEE				
1986	1,100	1,100	6,420	3,530	1986	*			
1987	800	800	5,100	2,040	1987	*			
1988	*				1988	*			
1989	500	400	4,200	840	1989	*			
1990	*				1990	*			
LA PAZ					MARICOPA				
1986	4,000	4,000	5,100	10,200	1986	16,000	15,800	5,570	44,050
1987	4,500	4,500	4,730	10,650	1987	12,000	11,800	5,550	32,730
1988	3,400	3,300	5,360	8,850	1988	16,500	16,200	5,580	45,210
1989	6,000	6,000	5,730	17,190	1989	28,000	27,500	5,820	80,030
1990	3,000	3,000	6,200	9,300	1990	12,000	11,200	5,710	31,950
MOHAVE					NAVAJO				
1986	0				1986	*			
1987	0				1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
PIMA					PINAL				
1986	1,500	1,200	5,100	3,060	1986	16,400	15,900	4,740	37,670
1987	*				1987	15,300	14,800	4,630	34,260
1988	*				1988	14,100	14,000	4,280	30,000
1989	*				1989	22,000	21,800	4,440	48,400
1990	1,800	1,800	6,000	5,400	1990	14,200	14,100	5,110	36,000
SANTA CRUZ					YAVAPAI				
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	*				1989	*			
1990	0				1990	*			
YUMA					ARIZONA				
1986	8,900	8,900	5,530	24,610	1986	49,000	48,000	5,220	125,280
1987	10,800	10,800	5,560	30,000	1987	46,000	45,000	5,100	114,750
1988	13,200	13,100	5,720	37,500	1988	51,000	50,000	5,160	129,000
1989	24,000	23,900	5,880	70,270	1989	85,000	84,000	5,400	226,800
1990	12,000	11,900	6,130	36,450	1990	45,000	44,000	5,640	124,080

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1986	49,000	48,000	5,220	125,280	122.70	15,368
1987	46,000	45,000	5,100	114,750	107.30	12,317
1988	51,000	50,000	5,160	129,000	131.70	16,985
1989	85,000	84,000	5,400	226,800	137.30	31,147
1990	45,000	44,000	5,640	124,080	121.70	15,096

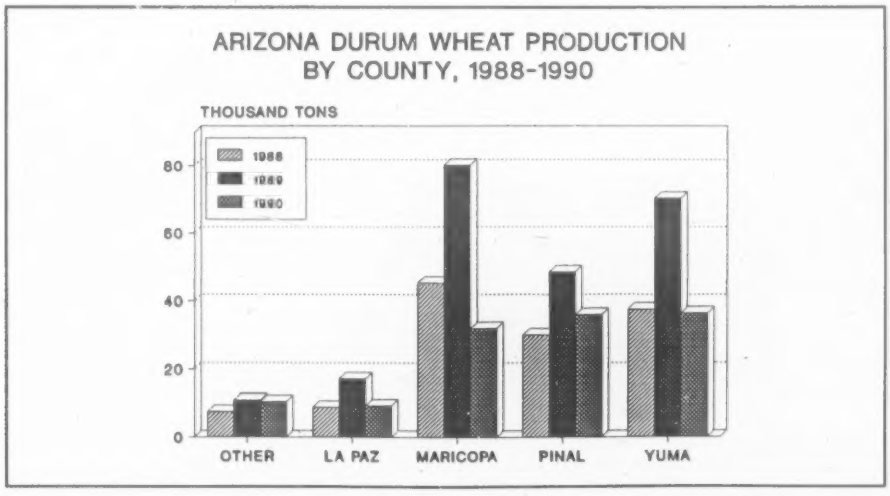
1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Farm marketings, Arizona, 1985/86-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1985/86	25	50	10	1	1	1	1	1	1	1	5	3
1986/87	52	37	2	1	1	1	1	1	1	1	1	1
1987/88	83	2	1	1	1	3	1	1	3	2	1	1
1988/89	59	12	13	8	1	1	1	1	1	1	1	1
1989/90	10	72	6	2	1	1	1	1	2	1	1	2

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year
	Dollars per ton												
1986/87	120.30	121.30	122.70	99.70	110.00	120.00	--	--	--	120.00	--	--	122.70
1987/88	103.00	104.30	100.00	--	--	131.00	--	127.00	128.30	134.70	--	--	107.30
1988/89	120.00	142.70	159.30	144.30	--	--	--	--	--	--	--	--	131.70
1989/90	134.70	140.00	135.70	130.30	--	--	--	114.00	120.00	--	--	120.00	137.30
1990/91	120.00	124.70	120.70	--	--	--	--	--	--	--	--	--	121.70



OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1986-90

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					**COCHISE**				
1986	*				1986	*			
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
COCONINO					**GILA**				
1986	*				1986	0			
1987	*				1987	0			
1988	*				1988	0			
1989	*				1989	0			
1990	*				1990	*			
GRAHAM					**GREENLEE**				
1986	1,000	900	5,970	2,690	1986	*			
1987	600	500	3,360	840	1987	*			
1988	*				1988	*			
1989	500	400	3,840	770	1989	*			
1990	*				1990	*			
LA PAZ					**MARICOPA**				
1986	8,000	8,000	4,960	19,820	1986	12,300	12,200	6,070	37,020
1987	5,100	5,100	5,680	14,490	1987	18,900	18,700	6,370	59,540
1988	8,900	8,800	5,730	25,220	1988	12,800	12,700	6,590	41,850
1989	8,000	7,900	5,380	21,240	1989	10,500	10,400	6,180	32,140
1990	13,000	13,000	6,070	39,450	1990	15,100	14,900	5,460	40,680
MOHAVE					**NAVAJO**				
1986	*				1986	*			
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
PIMA					**PINAL**				
1986	500	500	3,590	900	1986	2,200	2,100	4,840	5,080
1987	*				1987	1,300	1,200	4,750	2,850
1988	*				1988	1,500	1,400	5,320	3,720
1989	*				1989	1,000	1,000	5,400	2,700
1990	600	500	4,800	1,200	1990	1,500	1,500	6,000	4,500
SANTA CRUZ					**YAVAPAI**				
1986	0				1986	900	600	3,000	900
1987	*				1987	800	500	1,990	500
1988	*				1988	600	400	2,180	430
1989	0				1989	*			
1990	0				1990	*			
YUMA					**ARIZONA**				
1986	22,300	22,100	5,970	65,970	1986	49,000	48,000	5,640	135,360
1987	16,000	15,900	5,540	44,010	1987	45,000	44,000	5,700	125,400
1988	9,000	8,900	5,830	25,950	1988	36,000	35,000	5,880	102,900
1989	12,000	11,800	5,700	33,630	1989	35,000	34,000	5,580	94,860
1990	21,000	20,900	5,820	60,810	1990	55,000	54,000	5,700	153,900

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1986	49,000	48,000	5,640	135,360	103.30	13,987
1987	45,000	44,000	5,700	125,400	96.30	12,080
1988	36,000	35,000	5,880	102,900	131.00	13,480
1989	35,000	34,000	5,580	94,860	139.70	13,249
1990	55,000	54,000	5,700	153,900	110.00	16,929

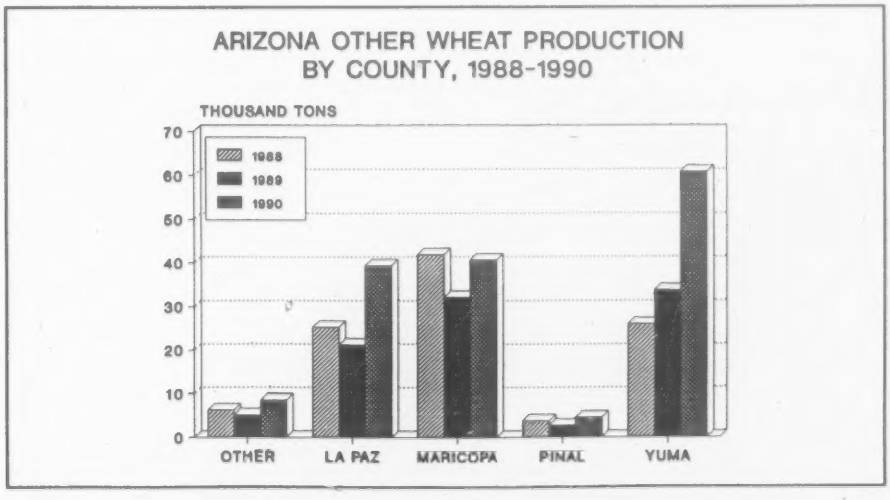
1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Farm marketings, Arizona, 1985/86-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1985/86	20	30	15	2	5	2	3	2	1	1	10	9
1986/87	22	45	14	4	1	1	1	7	2	1	1	1
1987/88	27	37	23	4	1	2	1	1	1	1	1	1
1988/89	25	35	18	3	3	2	3	3	2	1	1	1
1989/90	1	80	10	1	1	1	1	1	1	1	1	1

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year
	Dollars per ton												
1986/87	105.70	101.00	98.00	103.30	--	--	90.00	99.00	94.00	95.00	--	--	103.30
1987/88	95.70	95.70	89.70	95.00	--	95.00	--	--	--	--	--	--	96.30
1988/89	--	--	--	130.00	--	--	--	--	--	--	--	--	131.00
1989/90	--	142.00	122.00	--	--	--	--	--	--	--	--	--	139.70
1990/91	--	--	--	--	--	--	--	--	--	--	--	--	110.00



ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1986-90

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1986	*				1986	900	700	4,340	1,520
1987	*				1987	900	700	3,670	1,280
1988	*				1988	1,300	1,200	5,120	3,070
1989	700	700	2,670	930	1989	1,200	1,000	4,730	2,360
1990	600	500	2,760	690	1990	1,300	1,200	6,000	3,600
COCONINO					GILA				
1986	*				1986	0			
1987	*				1987	0			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
GRAHAM					GREENLEE				
1986	2,100	2,000	6,220	6,220	1986	600	600	5,180	1,550
1987	1,400	1,300	4,430	2,880	1987	800	800	4,640	1,850
1988	900	700	4,120	1,440	1988	700	700	4,460	1,560
1989	1,000	800	4,020	1,610	1989	900	900	4,450	2,000
1990	1,100	1,000	6,000	3,000	1990	700	600	5,100	1,530
LA PAZ					MARICOPA				
1986	12,000	12,000	5,000	30,020	1986	28,300	28,000	5,790	81,070
1987	9,600	9,600	5,240	25,140	1987	30,900	30,500	6,050	92,270
1988	12,300	12,100	5,630	34,070	1988	29,300	28,900	6,020	87,060
1989	14,000	13,900	5,530	38,430	1989	38,500	37,900	5,920	112,160
1990	16,000	16,000	6,100	48,750	1990	27,100	26,100	5,570	72,630
MOHAVE					NAVAJO				
1986	*				1986	600	600	2,200	660
1987	*				1987	500	500	2,260	560
1988	1,100	1,100	3,630	2,000	1988	500	300	1,800	270
1989	1,400	1,400	3,990	2,790	1989	*			
1990	900	800	3,980	1,590	1990	*			
PIMA					PINAL				
1986	2,000	1,700	4,660	3,960	1986	18,600	18,000	4,750	42,750
1987	1,700	1,400	4,370	3,060	1987	16,600	16,000	4,640	37,110
1988	1,700	1,500	4,800	3,600	1988	15,600	15,400	4,380	33,720
1989	2,000	1,900	5,070	4,820	1989	23,000	22,800	4,480	51,100
1990	2,400	2,300	5,740	6,600	1990	15,700	15,600	5,190	40,500
SANTA CRUZ					YAVAPAI				
1986	0				1986	900	600	3,000	900
1987	*				1987	800	500	1,990	500
1988	*				1988	600	400	2,180	430
1989	*				1989	500	300	1,980	300
1990	0				1990	700	600	3,400	1,020
YUMA					ARIZONA				
1986	31,200	31,000	5,840	90,580	1986	98,000	96,000	5,430	260,640
1987	26,800	26,700	5,540	74,010	1987	91,000	89,000	5,390	240,150
1988	22,200	22,000	5,770	63,450	1988	87,000	85,000	5,450	231,900
1989	36,000	35,700	5,820	103,900	1989	120,000	118,000	5,450	321,660
1990	33,000	32,800	5,930	97,260	1990	100,000	98,000	5,680	277,980

* *Acrea planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1986	98,000	96,000	5,430	260,640	112.70	29,355
1987	91,000	89,000	5,390	240,150	101.70	24,397
1988	87,000	85,000	5,450	231,900	131.30	30,465
1989	120,000	118,000	5,450	321,660	138.00	44,396
1990	100,000	98,000	5,680	277,980	115.30	33,025

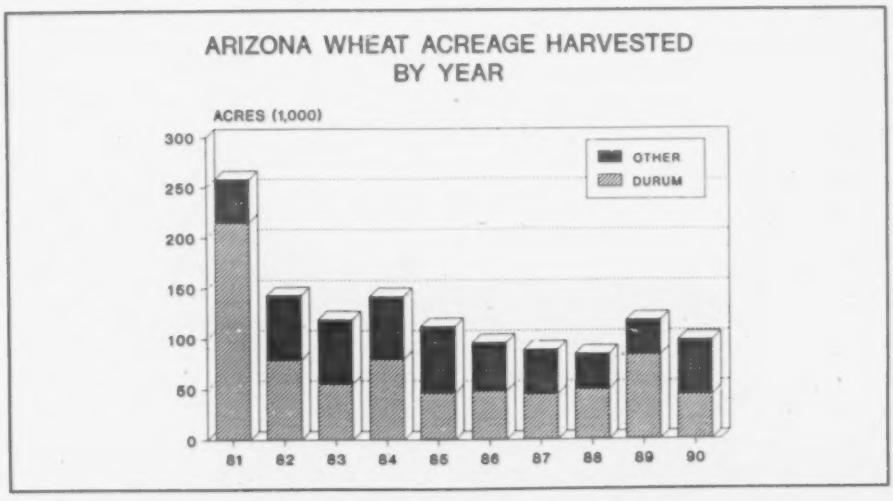
1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1985/86-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1985/86	25	38	10	2	3	2	2	2	1	1	8	6
1986/87	41	40	7	2	1	1	1	3	1	1	1	1
1987/88	63	15	9	2	1	3	1	1	2	1	1	1
1988/89	50	13	13	16	1	1	1	1	1	1	1	1
1989/90	10	73	5	2	1	1	1	1	2	1	1	2

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year
	Dollars per ton												
1986/87	117.70	113.00	101.00	103.30	110.00	120.00	90.00	99.00	94.00	112.70	--	--	112.70
1987/88	102.00	96.30	90.30	95.00	--	119.30	--	127.00	128.30	134.70	--	--	101.70
1988/89	120.00	142.70	159.30	134.30	--	--	--	--	--	--	--	--	131.30
1989/90	134.70	140.30	133.30	130.30	--	--	--	114.00	120.00	--	--	120.00	138.00
1990/91	120.00	124.70	120.70	--	--	--	--	--	--	--	--	--	115.30



BARLEY: Acreage, yield, and production, Arizona, by counties, 1986-90

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1986	*				1986	500	500	4,030	1,010
1987	*				1987	500	500	4,610	1,150
1988	*				1988	*			
1989	*				1989	500	400	5,290	1,060
1990	700	*			1990	*			
COCONINO					GILA				
1986	0				1986	*			
1987	0				1987	*			
1988	0				1988	*			
1989	0				1989	*			
1990	0				1990	0			
GRAHAM					GREENLEE				
1986	2,000	1,700	5,280	4,490	1986	*			
1987	1,600	1,200	5,060	3,040	1987	*			
1988	900	700	5,690	1,990	1988	*			
1989	800	600	5,500	1,650	1989	*			
1990	700	600	5,680	1,700	1990	*			
LA PAZ					MARICOPA				
1986	600	600	5,280	1,580	1986	15,000	13,700	4,900	33,540
1987	*				1987	9,200	8,200	4,750	19,480
1988	*				1988	4,800	3,900	5,230	10,200
1989	*				1989	5,100	3,900	5,120	9,990
1990	0				1990	7,300	6,800	5,570	18,930
MOHAVE					NAVAJO				
1986	1,000	1,000	4,320	2,160	1986	*			
1987	700	700	4,730	1,660	1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	0				1990	0			
PIMA					PINAL				
1986	1,600	1,000	4,660	2,330	1986	9,000	8,700	4,800	20,880
1987	1,300	700	3,770	1,320	1987	8,000	7,400	4,830	17,890
1988	500	300	3,920	590	1988	5,000	4,400	5,130	11,280
1989	*				1989	5,000	4,100	4,980	10,210
1990	*				1990	6,400	5,900	4,410	13,020
SANTA CRUZ					YAVAPAI				
1986	*				1986	700	400	3,460	690
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
1990	*				1990	*			
YUMA					ARIZONA				
1986	800	800	4,650	1,860	1986	32,000	29,000	4,800	69,600
1987	2,100	2,100	5,110	5,360	1987	25,000	22,000	4,750	52,270
1988	2,100	2,000	4,680	4,680	1988	15,000	13,000	4,990	32,450
1989	1,900	1,700	4,880	4,150	1989	15,000	12,000	4,940	29,660
1990	1,400	1,200	5,040	3,020	1990	17,000	15,000	5,040	37,800

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Converted from 48 pound bushels and rounded.

BARLEY: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1986	32,000	29,000	4,800	69,600	102.90	7,163
1987	25,000	22,000	4,750	52,270	91.30	4,770
1988	15,000	13,000	4,990	32,450	97.90	3,177
1989	15,000	12,000	4,940	29,660	129.20	3,832
1990	17,000	15,000	5,040	37,800	116.70	4,410

1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 48 pound bushels and rounded.

BARLEY: Farm marketings, Arizona, 1985/86-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
1986/86	40	27	20	3	3	1	1	1	1	1	1	1
1986/87	62	24	1	1	1	1	1	1	2	1	1	1
1987/88	78	4	7	1	1	3	1	1	1	1	1	1
1988/89	56	32	1	1	1	1	1	1	1	1	1	3
1989/90 1/												

1/ Monthly marketings discontinued.

BARLEY: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year
						Dollars per ton							
1986/87	110.40	100.00	90.40	97.90	--	95.00	95.00	95.00	97.90	--	100.00	--	102.90
1987/88	92.50	95.40	75.00	--	--	95.00	--	--	--	--	--	--	91.30
1988/89	95.00	102.90	--	--	--	--	--	--	--	--	--	--	97.90
1989/90 1/													129.20
1990/91													116.70

1/ Monthly prices discontinued.

CORN: Acreage, yield, and production, Arizona, by counties, 1986-90

County and year	Planted for all purposes	FOR GRAIN			County and year	Planted for all purposes	FOR GRAIN		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1986	0				1986	9,300	6,500	8,120	26,390
1987	0				1987	8,600	6,900	8,340	28,790
1988	0				1988	7,600	6,400	9,460	30,280
1989	0				1989	9,000	7,100	8,570	30,440
1990	*				1990	5,500	3,700	9,390	17,360
COCONINO					GILA				
1986	500	400	3,920	780	1986	*			
1987	*				1987	*			
1988	*				1988	0			
1989	*				1989	0			
1990	0				1990	0			
GRAHAM					GREENLEE				
1986	4,000	3,800	10,360	19,680	1986	500	300	5,990	900
1987	3,900	3,500	9,800	17,150	1987	*			
1988	3,200	2,500	10,980	13,720	1988	500	300	7,900	1,180
1989	3,400	2,400	9,760	11,700	1989	800	400	7,000	1,400
1990	2,500	1,500	9,820	7,360	1990	500	200	5,600	560
LA PAZ					MARICOPA				
1986	1,000	1,000	4,760	2,380	1986	6,000	1,000	5,320	2,660
1987	1,600	1,600	6,270	5,020	1987	5,700	1,000	4,760	2,380
1988	1,200	1,200	5,990	3,600	1988	3,600	800	5,600	2,240
1989	1,500	1,500	6,500	4,870	1989	3,500	700	5,360	1,880
1990	500	500	8,960	2,240	1990	4,500	800	7,000	2,800
MOHAVE					NAVAJO				
1986	0				1986	300	0		
1987	0				1987	300	0		
1988	0				1988	400	0		
1989	0				1989	*	0		
1990	0				1990	*			
PIMA					PINAL				
1986	1,000	0			1986	*			
1987	*				1987	500	300	4,760	710
1988	*				1988	900	300	5,430	810
1989	*				1989	500	100	5,040	250
1990	*				1990	*			
SANTA CRUZ					YAVAPAI				
1986	*				1986	1,000	1,000	5,880	2,940
1987	*				1987	700	700	6,440	2,250
1988	0				1988	500	500	5,710	1,430
1989	*				1989	*			
1990	*				1990	*			
YUMA					ARIZONA				
1986	800	800	6,160	2,460	1986	25,000	15,000	7,840	58,800
1987	500	500	5,490	1,370	1987	23,000	15,000	7,840	58,800
1988	600	600	5,990	1,800	1988	19,000	13,000	8,680	56,420
1989	*				1989	20,000	13,000	8,120	52,780
1990	*				1990	15,000	7,000	8,960	31,360

* *Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Converted from 56 pound bushels and rounded.

CORN: Acreage, yield, production, price, and value, Arizona, 1986-90

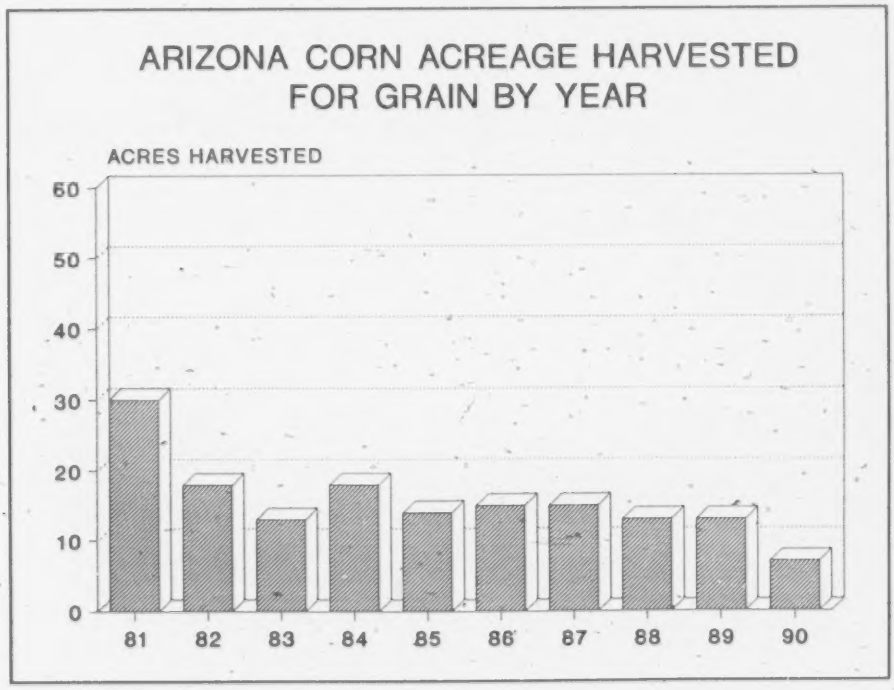
Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1986	25,000	15,000	7,840	58,800	83.90	4,935
1987	23,000	15,000	7,840	58,800	81.80	4,809
1988	19,000	13,000	8,680	56,420	112.50	6,347
1989	20,000	13,000	8,120	52,780	107.10	5,655
1990	15,000	7,000	8,960	31,360	105.40	3,304

1/ Average price for the September through August marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 56 pound bushels and rounded.

CORN FOR SILAGE: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1986	10,000	25.0	250,000	18.00	4,500
1987	8,000	23.0	184,000	20.00	3,680
1988	6,000	27.0	162,000	20.00	3,240
1989	7,000	27.0	189,000	20.00	3,780
1990	8,000	27.0	216,000	21.00	4,536



ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				**COCHISE**			
1986	3,000	4.0	12,000	1986	7,000	5.5	38,500
1987	3,100	3.7	11,400	1987	7,300	4.9	35,500
1988	3,600	4.3	15,500	1988	6,900	5.7	39,100
1989	3,000	3.4	10,200	1989	6,500	5.4	35,000
1990	3,000	3.0	9,000	1990	7,000	5.1	36,000
COCONINO				**GILA**			
1986	500	3.6	1,800	1986	0		
1987	500	3.4	1,700	1987	0		
1988	*			1988	*		
1989	*			1989	*		
1990	*			1990	*		
GRAHAM				**GREENLEE**			
1986	5,000	6.2	31,000	1986	500	5.0	2,500
1987	5,200	5.9	30,600	1987	500	5.8	2,900
1988	4,400	5.8	25,700	1988	500	6.6	3,300
1989	3,500	5.7	20,000	1989	*		
1990	4,000	6.0	24,000	1990	*		
LA PAZ				**MARICOPA**			
1986	31,000	8.2	254,200	1986	47,000	7.8	365,900
1987	40,000	8.1	324,000	1987	48,500	8.1	394,800
1988	36,400	8.3	300,500	1988	46,400	8.1	376,000
1989	35,200	8.0	280,000	1989	45,800	7.6	350,000
1990	42,000	8.6	362,000	1990	48,000	7.3	350,000
MOHAVE				**NAVAJO**			
1986	3,000	5.5	16,500	1986	3,000	3.7	11,000
1987	3,100	4.6	14,400	1987	3,100	3.7	11,600
1988	4,000	6.5	26,000	1988	3,100	3.8	11,900
1989	6,000	8.8	53,000	1989	2,500	3.2	8,000
1990	7,500	8.0	60,000	1990	2,000	2.5	5,000
PIMA				**PINAL**			
1986	1,000	5.7	5,700	1986	11,000	7.5	82,500
1987	1,000	5.8	5,800	1987	11,400	8.0	91,600
1988	1,500	6.7	10,000	1988	11,600	7.9	91,500
1989	1,200	7.1	8,500	1989	11,100	8.1	90,000
1990	1,800	8.6	15,500	1990	11,000	8.8	97,000
SANTA CRUZ				**YAVAPAI**			
1986	500	5.4	2,700	1986	4,000	3.9	15,600
1987	500	5.8	2,900	1987	4,100	4.4	17,900
1988	600	6.2	3,700	1988	2,900	3.8	11,000
1989	700	5.6	3,900	1989	2,500	4.2	10,500
1990	500	6.0	3,000	1990	2,000	4.0	8,000
YUMA				**ARIZONA**			
1986	38,500	8.8	338,100	1986	155,000	7.6	1,178,000
1987	31,700	9.6	302,900	1987	160,000	7.8	1,248,000
1988	32,600	9.5	309,000	1988	155,000	7.9	1,225,000
1989	31,100	8.6	267,000	1989	150,000	7.6	1,140,000
1990	35,000	9.4	330,000	1990	165,000	7.9	1,304,000

* *Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Does not include green chop or grazed.

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				**COCHISE**			
1986	1,000	2.6	2,600	1986	900	3.4	3,100
1987	1,200	3.0	3,600	1987	1,000	3.4	3,400
1988	1,100	3.6	4,000	1988	800	2.4	1,900
1989	1,200	2.2	2,600	1989	800	3.9	3,100
1990	1,200	2.5	3,000	1990	600	1.7	1,000
COCONINO				**GILA**			
1986	500	3.8	1,900	1986	*		
1987	500	3.8	1,900	1987	*		
1988	*			1988	*		
1989	500	3.0	1,500	1989	*		
1990	500	2.0	1,000	1990	*		
GRAHAM				**GREENLEE**			
1986	900	3.8	3,400	1986	*		
1987	1,000	4.1	4,100	1987	*		
1988	800	2.3	1,800	1988	*		
1989	800	3.0	2,400	1989	*		
1990	500	4.0	2,000	1990	*		
LA PAZ				**MARICOPA**			
1986	2,000	4.6	9,200	1986	6,000	4.4	26,600
1987	6,000	5.7	34,000	1987	5,800	4.6	26,400
1988	5,000	4.0	20,000	1988	5,000	4.1	20,500
1989	6,500	3.8	25,000	1989	6,800	4.3	29,000
1990	4,000	2.0	8,000	1990	5,000	4.4	22,000
MOHAVE				**NAVAJO**			
1986	800	3.0	2,400	1986	*		
1987	800	3.0	2,400	1987	500	2.6	1,300
1988	700	3.0	2,100	1988	*		
1989	1,300	3.0	3,900	1989	*		
1990	1,000	3.0	3,000	1990	*		
PIMA				**PINAL**			
1986	*			1986	1,000	3.5	3,500
1987	*			1987	1,000	3.6	3,600
1988	*			1988	700	3.0	2,100
1989	*			1989	1,000	3.0	3,000
1990	500	4.0	2,000	1990	1,000	2.0	2,000
SANTA CRUZ				**YAVAPAI**			
1986	500	2.6	1,300	1986	3,000	2.1	6,200
1987	500	2.6	1,300	1987	2,600	2.5	6,500
1988	*			1988	2,200	2.3	5,000
1989	*			1989	2,200	2.5	5,500
1990	*			1990	1,500	3.0	4,500
YUMA				**ARIZONA**			
1986	4,500	4.8	21,800	1986	22,000	3.8	84,000
1987	8,600	5.3	45,300	1987	30,000	4.5	135,000
1988	7,000	5.3	37,100	1988	25,000	4.0	100,000
1989	12,500	4.9	61,000	1989	35,000	4.0	140,000
1990	13,000	5.0	64,500	1990	30,000	3.9	117,000

* *Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Does not include green chop or grazed.

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				**COCHISE**			
1986	4,000	3.7	14,600	1986	7,900	5.3	41,600
1987	4,300	3.5	15,000	1987	8,300	4.7	38,900
1988	4,700	4.1	19,500	1988	7,700	5.3	41,000
1989	4,200	3.0	12,800	1989	7,300	5.2	38,100
1990	4,200	2.9	12,000	1990	7,600	4.9	37,000
COCONINO				**GILA**			
1986	1,000	3.7	3,700	1986	*		
1987	1,000	3.6	3,600	1987	*		
1988	800	3.4	2,700	1988	*		
1989	*			1989	*		
1990	*			1990	700	2.1	1,500
GRAHAM				**GREENLEE**			
1986	5,900	5.8	34,400	1986	*		
1987	6,200	5.6	34,700	1987	*		
1988	5,200	5.3	27,500	1988	*		
1989	4,300	5.2	22,400	1989	700	3.9	2,700
1990	4,500	5.8	26,000	1990	700	5.7	4,000
LA PAZ				**MARICOPA**			
1986	33,000	8.0	263,400	1986	53,000	7.4	392,500
1987	46,000	7.8	358,000	1987	54,300	7.8	421,200
1988	41,400	7.7	320,500	1988	51,400	7.7	396,500
1989	41,700	7.3	305,000	1989	52,600	7.2	379,000
1990	46,000	8.0	370,000	1990	53,000	7.0	372,000
MOHAVE				**NAVAJO**			
1986	3,800	5.0	18,900	1986	*		
1987	3,900	4.3	16,800	1987	3,600	3.6	12,900
1988	4,700	6.0	28,100	1988	*		
1989	7,300	7.8	56,900	1989	*		
1990	8,500	7.4	63,000	1990	*		
PIMA				**PINAL**			
1986	*			1986	12,000	7.2	86,000
1987	*			1987	12,400	7.7	95,200
1988	*			1988	12,300	7.6	93,600
1989	*			1989	12,100	7.7	93,000
1990	2,300	7.6	17,500	1990	12,000	8.3	99,000
SANTA CRUZ				**YAVAPAI**			
1986	1,000	4.0	4,000	1986	7,000	3.1	21,800
1987	1,000	4.2	4,200	1987	6,700	3.6	24,400
1988	*			1988	5,100	3.1	16,000
1989	*			1989	4,700	3.4	16,000
1990	*			1990	3,500	3.6	12,500
YUMA				**ARIZONA**			
1986	43,000	8.4	359,900	1986	177,000	7.13	1,262,000
1987	40,300	8.6	348,200	1987	190,000	7.28	1,383,000
1988	39,600	8.7	346,100	1988	180,000	7.36	1,325,000
1989	43,600	7.5	328,000	1989	185,000	6.92	1,280,000
1990	48,000	8.2	394,500	1990	195,000	7.29	1,421,000

** Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations for alfalfa or other hay.*

1/ Does not include green chop or grazed.

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1986-90 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1986	177,000	7.13	1,262,000	70.50	88,971
1987	190,000	7.28	1,383,000	81.50	112,715
1988	180,000	7.36	1,325,000	89.50	118,588
1989	185,000	6.92	1,280,000	98.50	126,080
1990	195,000	7.29	1,421,000	96.50	137,127

1/ Does not include green chop or grazed.
2/ Average price for the April through March marketing season.

ALL HAY: Farm marketings, Arizona, 1985/86-1989/90

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Percent						
1985/86	15	20	6	4	5	5	10	6	9	7	6	7
1986/87	12	18	6	9	5	6	8	10	5	5	8	8
1987/88	14	16	7	9	6	6	6	4	6	5	5	15
1988/89	15	15	10	13	10	7	6	7	3	2	3	9
1989/90	14	17	9	12	9	6	7	7	4	3	4	8

ALL HAY: Monthly and marketing year average prices received by growers, Arizona, 1986/87-1990/91 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
							Dollars per ton						
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	62.00	69.00	72.00	74.00	81.00	90.00	70.50
1987/88	86.00	83.00	84.00	65.00	63.00	68.00	69.00	73.00	84.00	93.00	86.00	97.00	81.50
1988/89	95.00	86.00	78.00	77.00	78.00	89.00	90.00	89.00	96.00	103.00	106.00	119.00	89.50
1989/90	119.00	96.00	86.00	78.00	84.00	86.00	94.00	105.00	108.00	108.00	116.00	118.00	98.50
1990/91	120.00	99.00	87.00	86.00	81.00	88.00	88.00	98.00	104.00	89.00	94.00	103.00	96.50

1/ Does not include green chop or grazed.

ALFALFA HAY: Monthly prices received by growers, Arizona, 1986/87-1990/91 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
							Dollars per ton						
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	60.00	72.00	73.00	76.00	82.00	90.00	2/
1987/88	87.00	83.00	85.00	68.00	63.00	72.00	72.00	78.00	88.00	95.00	87.00	97.00	2/
1988/89	95.00	86.00	81.00	81.00	81.00	94.00	94.00	100.00	100.00	106.00	108.00	120.00	2/
1989/90	120.00	98.00	90.00	83.00	85.00	90.00	99.00	109.00	110.00	110.00	120.00	121.00	102.00
1990/91	120.00	99.00	87.00	86.00	81.00	89.00	88.00	98.00	105.00	90.00	95.00	106.00	98.00

1/ Does not include green chop or grazed.
2/ Not available

OTHER HAY: Monthly prices received by growers, Arizona 1986/87-1990/91 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
							Dollars per ton						
1986/87	--	--	--	--	--	45.00	--	43.00	56.00	50.00	60.00	--	2/
1987/88	54.00	--	51.00	56.00	57.00	54.00	54.00	40.00	52.00	66.00	57.00	--	2/
1988/89	--	--	66.00	70.00	70.00	82.00	80.00	80.00	80.00	75.00	80.00	103.00	2/
1989/90	75.00	75.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
1990/91	--	--	--	78.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	60.00	76.50

1/ Does not include green chop or grazed.
2/ Not available.

OTHER FIELD CROPS: Acreage, production, and value, Arizona, 1986-90

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1986	1/	Cwt.		
	1987	1/			
	1988	1,500		38	1,316
	1989	1,750		44	1,553
	1990	5,000		80	1,600
JOJOBA	1986	8,500	Lb.	1,000	1,250
	1987	9,000		900	1,260
	1988	13,000		2,300	5,175
	1989	9,000		1,503	3,006
	1990	9,000		2,250	7,875
OATS FOR GRAIN	1986	650	Lb.	2,600	137
	1987	750		3,180	215
	1988	1,060		4,650	464
	1989	2,500		8,750	525
	1990	900		3,370	169
PEANUTS	1986	730	Lb.	1,680	510
	1987	714		1,428	343
	1988	772		924	536
	1989	625		900	519
	1990	687		879	558
POPCORN	1986	800	Lb.	4,320	346
	1987	200		800	104
	1988	200		800	104
	1989	200		800	80
	1990	0			
SAFFLOWER	1986	2,500	Ton	2.5	563
	1987	2,500		2.5	450
	1988	750		.9	176
	1989	700		.7	217
	1990	1,000		.8	155
SESAME	1986	8,000	Lb.	9,600	2,016
	1987	2,000		2,400	480
	1988	0			
	1989	1,400		2,100	525
	1990	2,000		2,116	635
SORGHUM	1986	12,000	Ton	29.2	2,401
	1987	11,000		27.7	2,317
	1988	4,000		11.2	1,232
	1989	3,000		6.7	672
	1990	1,000		1.7	193
SORGHUM SILAGE	1986	3,000	Ton	57	912
	1987	3,000		54	1,080
	1988	1,000		17	306
	1989	3,000		60	1,080
	1990	1,000		20	380

1/ Not available.

Source: Statistics developed with the assistance of the Arizona Cooperative Extension Service and growers and dealers.

OFF FARM GRAIN STOCKS: Arizona, quarterly, 1986-91 1/

Quarter	1986	1987	1988	1989	1990	1991
			Tons 2/			
			Wheat			
January 1	76,770					
March 1		61,650	31,080	41,700	43,620	37,140
April 1	38,520					
June 1 3/	10,530	25,530	11,700	17,940	22,650	
September 1	125,070	61,920	83,430	50,730	57,150	
December 1	93,180	40,080	56,220	50,250	56,970	
			Corn			
January 1	19,800					
March 1		43,510	36,710	20,720	21,420	16,020
April 1	10,250					
June 1	6,330	25,930	27,750	16,860	12,660	
September 1 3/	1,880	27,020	16,940	*	*	
December 1	45,500	52,640	33,910	22,510	20,920	
			Barley			
January 1	19,580					
March 1				11,740	3,410	3,050
June 1 3/	2,450	3,890	*	2,540	1,800	
September 1			10,200	8,040	8,040	
December 1			14,230	5,040	5,260	
			Sorghum			
January 1	123,060					
March 1					105,500	65,860
June 1	93,720	189,170	125,330	93,100	106,620	
September 1 3/	78,880	242,200	120,850	67,480		
December 1					80,530	

* *Not published to avoid disclosure of individual operations.*
1/ Includes stocks at mills, elevators, warehouses, terminals, processors, and commercial feedlots.
2/ Converted from bushels and rounded
3/ Includes old crop grain only.

GRAIN STOCKS: Off farm storage facilities, Arizona, 1986-90

Month and year	Facilities 1/	Storage capacity
	Number	Tons
January 1986	38	780,000
December 1986	37	782,750
December 1987	34	787,500
December 1988	36	752,250
December 1989	36	734,250
December 1990	38	762,500

1/ Includes mills, elevators, warehouses, terminals, processors, and commercial feedlots.

ON FARM HAY STOCKS: Arizona, 1986-91

Month	1986	1987	1988	1989	1990	1991
			Tons			
May 1 1/	55,000	25,000	41,000	27,000	26,000	71,000
December 1	2/ 290,000	263,000	133,000	11,500	213,000	

1/ Includes old crop only.
2/ January 1 following year.

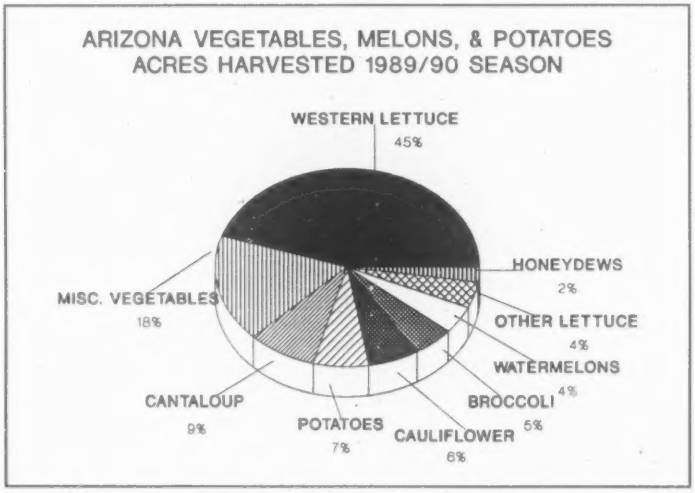
VEGETABLES, MELONS AND POTATOES

Vegetable growers in Arizona grow a variety of produce ranging from anise to zucchini. The clement nature of the weather, coupled with modern irrigation techniques allow vegetable producers to grow crops almost year 'round. The seasons for commercial vegetable crops vary by crop. The summaries for western lettuce, carrots, broccoli and cauliflower reflect the 1989-90 growing season while other vegetable crops included in this summary represent the 1990 season. Principal vegetables grown in Arizona include lettuce, carrots, broccoli, potatoes, dry onions, cauliflower, watermelons, cantaloupes and honeydews. Production of principal vegetables totaled 20,343,000 hundredweight from 87,200 harvested acres. For the fresh market vegetables covered by the Agricultural Statistics Board, Arizona ranked third nationally in area harvested, production and value of production. California and Florida ranked first and second, respectively.

The total value of all vegetables produced in Arizona in 1990, estimated at $247,154,000, decreased 23 percent from the previous year's level. Principal vegetable production accounted for $197,020,000 of the total and was down 29 percent from the 1989 value of production. The decrease in the value was primarily due to a 50 percent decrease in the value of production for western lettuce.

Head lettuce continued to be the most significant vegetable crop in Arizona, accounting for 41 percent and 52 percent of the total value of production for all vegetables and the principal vegetables, respectively. Melons, primarily, cantaloupe, honeydews and watermelons, were second to lettuce in production and total value. Nationally, the state ranked second in broccoli, cauliflower and lettuce production, third in the production of honeydews and fourth in spring onion production.

"Miscellaneous" vegetables were harvested from 15,512 acres, 15 percent of the total area harvested, with a value of production estimated at $50,134,000, 20 percent of the total value of all vegetables produced in Arizona. The most significant among these were leaf and romaine lettuce, greens, asparagus, cabbage and garlic.



WESTERN LETTUCE: Acreage, yield, and production, Arizona, by counties, 1985/86-1989/90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				YUMA			
1985/86	800	250	200	1985/86	31,300	281	8,788
1986/87	1,000	240	240	1986/87	34,200	333	11,376
1987/88	700	271	190	1987/88	41,300	285	11,780
1988/89	2,500	193	483	1988/89	42,000	269	11,310
1989/90	3,000	138	415	1989/90	43,100	274	11,802

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

WESTERN LETTUCE: Acreage, yield, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1985/86	32,100	32,100	280	8,988	11.80	106,058
1986/87	35,200	35,200	330	11,616	11.50	133,584
1987/88	42,000	42,000	285	11,970	25.40	304,038
1988/89	44,500	44,500	265	11,793	15.20	179,254
1989/90	46,100	46,100	265	12,217	7.33	89,551

1/ Average price for the November through April marketing season.

WESTERN LETTUCE: Monthly and season average prices received by growers, Arizona, 1985/86-1989/90

Crop year	November	December	January	February	March	April	Season average
				Dollars per cwt.			
1985/86	14.00	27.10	8.63	7.20	8.23	--	11.80
1986/87	10.70	10.40	14.40	7.76	14.70	6.93	11.50
1987/88	51.20	36.60	37.20	10.20	13.10	6.00	25.40
1988/89	15.00	18.40	18.60	13.40	11.50	9.81	15.20
1989/90	6.50	6.08	9.67	6.56	7.31	6.72	7.33

OTHER LETTUCE, SPRING: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

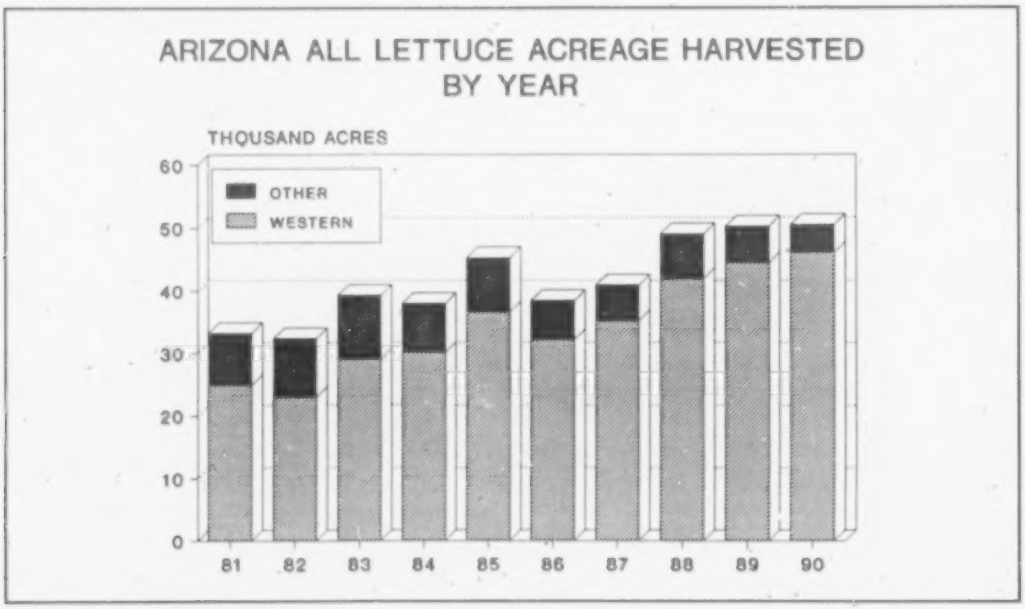
County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1986	1,050	210	221	1986	1,800	299	539
1987	940	183	172	1987	1,000	279	279
1988	1,000	240	240	1988	900	269	242
1989	630	211	133	1989	1,000	166	166
1990	300	287	86	1990	700	261	183
PIMA				PINAL			
1986	450	220	99	1986	200	275	55
1987	560	239	134	1987	600	110	66
1988	500	176	88	1988	600	142	85
1989	450	216	97	1989	420	129	54
1990	450	171	77	1990	450	209	94

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties. Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

OTHER LETTUCE, SPRING: Acreage, yield, production, price and value, Arizona, 1986-90 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	3,500	3,500	261	914	13.80	12,657
1987	3,100	3,100	210	651	8.49	5,525
1988	3,000	3,000	218	655	7.49	4,905
1989	2,500	2,500	180	450	9.83	4,425
1990	1,900	1,900	232	440	7.50	3,300

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for March through June marketing season.



OTHER LETTUCE, FALL: Acreage, yield, and production, Arizona, by counties, 1986/87-1990/91 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1986/87	1,000	235	235	1986/87	1,000	237	237
1987/88	1,030	330	340	1987/88	900	223	201
1988/89	1,300	219	285	1988/89	1,700	215	365
1989/90	1,400	158	221	1989/90	1,400	153	214
1990/91	1,000	260	260	1990/91	950	255	242
PIMA				PINAL			
1986/87	600	195	117	1986/87	200	205	41
1987/88	470	232	109	1987/88	200	195	39
1988/89	450	244	110	1988/89	550	291	160
1989/90	700	176	123	1989/90	400	200	80
1990/91	300	280	84	1990/91	250	296	74

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties. Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

OTHER LETTUCE, FALL: Acreage, yield, production, price, and value, Arizona, 1986-87-1990/91 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986/87	3,000	2,800	225	630	10.30	6,489
1987/88	2,600	2,600	265	689	30.10	20,739
1988/89	4,000	4,000	230	920	13.50	12,420
1989/90	3,900	3,900	164	638	11.10	7,108
1990/91	2,500	2,500	264	660	14.50	9,570

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for the October through January marketing season.

ALL OTHER LETTUCE: Acreage, yield, production, price, and value, Arizona, 1986/87-1990/91 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986/87	6,500	6,300	245	1,544	12.40	19,146
1987/88	5,700	5,700	235	1,340	19.60	26,264
1988/89	7,000	7,000	225	1,575	11.00	17,325
1989/90	6,400	6,400	170	1,088	10.60	11,533
1990/91	4,400	4,400	250	1,100	11.70	12,870

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Average price for the March through June and September through January marketing seasons.

ALL OTHER LETTUCE: Monthly and season average prices received by growers, Arizona, 1986/87-1990/91

Crop year	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Season average
	Dollars per cwt.											
1986/87	14.80	15.50	11.30	8.00	--	--	11.00	7.68	12.30	10.80	13.20	12.40
1987/88	15.70	6.46	6.46	7.23	--	--	--	13.30	45.20	42.10	37.40	19.60
1988/89	6.49	7.06	6.20	9.54	--	--	--	10.50	13.00	20.10	16.50	11.00
1989/90	12.70	9.31	7.28	11.10	--	--	--	13.60	11.20	6.01	14.30	10.60
1990/91	8.39	7.54	6.73	6.00	--	--	--	18.20	17.90	10.30	13.00	11.70

DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1986	100	520	52	1986	0		
1987	100	410	41	1987	0		
1988	100	370	37	1988	0		
1989	50	420	21	1989	150	220	33
1990	50	400	20	1990	200	410	82
MARICOPA							
1986	1,100	553	608				
1987	1,200	453	544				
1988	1,100	375	413				
1989	900	436	392				
1990	750	497	373				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

DRY ONIONS: Acreage, yield, production, price, and value, Arizona, 1986-90 1/

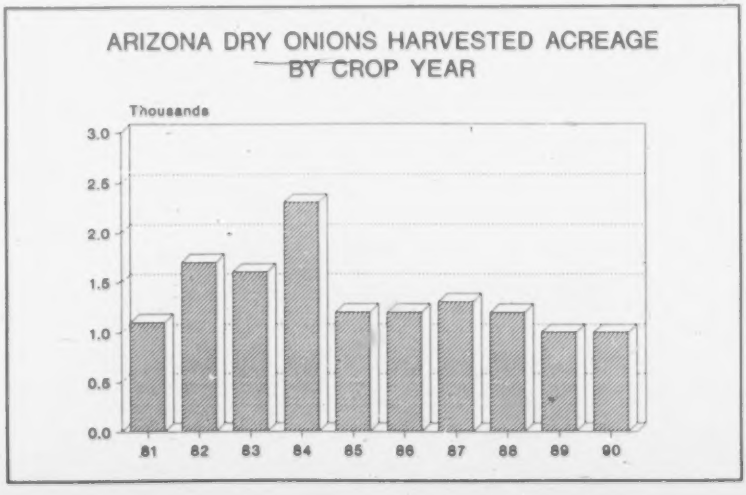
Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	1,200	1,200	550	660	8.78	5,795
1987	1,300	1,300	450	585	20.50	11,993
1988	1,200	1,200	375	450	7.55	3,398
1989	1,100	1,100	405	446	8.56	3,816
1990	1,000	1,000	475	475	10.50	5,006

1/ Includes onions grown for processing in 1989 and 1990.
2/ Average price for the April through July marketing season.

DRY ONIONS: Monthly and season average prices received by growers, Arizona, 1986-90 1/

Year	April	May	June	July	Season average
			Dollars per cwt.		
1986	--	7.98	11.80	--	8.78
1987	--	21.70	18.00	20.80	20.50
1988	--	7.23	7.72	10.60	7.55
1989	--	8.50	8.97	19.20	8.56
1990	--	12.90	11.20	8.00	10.50

1/ Monthly prices are for fresh market only. Season average for 1989 and 1990 includes onions grown for processing.



BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1985/86-1989/90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
MARICOPA				**PINAL**			
1985/86	1,500	66	99	1985/86	300	60	18
1986/87	1,300	83	108	1986/87	300	63	19
1987/88	1,300	70	91	1987/88	300	110	33
1988/89	1,650	81	134	1988/89	650	97	63
1989/90	1,400	129	181	1989/90	200	155	31
YUMA							
1985/86	1,100	110	121				
1986/87	2,600	98	255				
1987/88	2,700	99	267				
1988/89	3,100	111	343				
1989/90	3,500	107	375				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

BROCCOLI: Acreage, yield, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 Cwt.	Dol. per cwt.	1,000 dol.
1985/86	2,900	2,900	82	238	23.00	5,474
1986/87	4,200	4,200	91	382	21.80	8,328
1987/88	4,300	4,300	91	391	24.80	9,697
1988/89	5,400	5,400	100	540	20.60	11,124
1989/90	5,100	5,100	115	587	18.70	10,977

1/ Average price for the December through April marketing season.

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1985/86-1989/90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
MARICOPA				PINAL			
1985/86	700	77	54	1985/86	0		
1986/87	750	80	60	1986/87	0		
1987/88	600	67	40	1987/88	150	73	11
1988/89	650	95	62	1988/89	850	67	57
1989/90	550	100	55	1989/90	50	140	7
YUMA							
1985/86	5,400	120	648				
1986/87	5,650	131	740				
1987/88	5,350	110	590				
1988/89	5,300	125	663				
1989/90	5,800	105	610				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1985/86	6,100	6,100	115	702	29.20	20,498
1986/87	6,400	6,400	125	800	27.40	21,920
1987/88	6,100	6,100	105	641	31.10	19,935
1988/89	6,800	6,800	115	782	28.10	21,974
1989/90	6,400	6,400	105	672	23.70	15,926

1/ Average price for the November through April marketing season.

CARROTS: Acreage, yield, and production, Arizona, by counties, 1985/86-1989/90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
MARICOPA				PINAL			
1985/86	2,400	165	396	1985/86	0		
1986/87	2,000	200	400	1986/87	0		
1987/88	1,850	126	233	1987/88	50	100	5
1988/89	1,400	170	238	1988/89	0		
1989/90	1,450	130	188	1989/90	0		
YUMA							
1985/86	0						
1986/87	0						
1987/88	0						
1988/89	0						
1989/90	50	140	7				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

CARROTS: Acreage, yield, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1985/86	2,400	2,400	165	396	10.90	4,316
1986/87	2,000	2,000	200	400	10.50	4,200
1987/88	1,900	1,900	125	238	10.20	2,428
1988/89	1,400	1,400	170	238	15.70	3,737
1989/90	1,500	1,500	130	195	10.60	2,067

1/ Average price for the December through June marketing season.

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1986	200	100	20	1986	450	200	90
1987	150	167	25	1987	400	265	106
1988	150	100	15	1988	300	217	65
1989	50	160	8	1989	350	286	100
1990	50	180	9	1990	0		
MARICOPA				PINAL			
1986	2,500	292	730	1986	1,100	223	245
1987	3,250	322	1,045	1987	450	282	127
1988	2,600	323	840	1988	900	289	260
1989	2,700	384	1,036	1989	900	391	352
1990	3,500	359	1,256	1990	550	378	208
YUMA							
1986	1,150	230	265				
1987	950	243	231				
1988	1,050	305	320				
1989	1,200	400	480				
1990	500	460	230				

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available. Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1986-90 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	5,400	5,400	250	1,350	6.36	8,586
1987	5,200	5,200	295	1,534	5.13	7,869
1988	5,000	5,000	300	1,500	7.13	10,695
1989	5,200	5,200	380	1,976	4.70	9,287
1990	4,600	4,600	370	1,703	6.99	11,911

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available.

2/ Average price for the May through July and September through November marketing season.

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1986	850	178	151	1986	460	220	101
1987	780	168	131	1987	820	141	116
1988	490	234	119	1988	800	156	125
1989	600	168	101	1989	850	146	124
1990	550	209	115	1990	500	236	118
PINAL				YUMA			
1986	360	8[illegible]	29	1986	130	115	15
1987	470	7[illegible]	33	1987	330	133	44
1988	2/			1988	110	145	16
1989	50	80	4	1989	100	160	16
1990	250	152	38	1990	300	40	12

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.
2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1986-90

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	1,800	1,800	164	296	11.00	3,258
1987	2,400	2,400	135	324	12.10	3,920
1988	1,400	1,400	186	260	17.70	4,594
1989	1,600	1,600	153	245	8.90	2,183
1990	1,600	1,600	177	283	24.90	7,060

1/ Average price for the June through July marketing season.

FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1986	0			1986	150	173	26
1987	0			1987	250	100	25
1988	50	160	8	1988	300	193	58
1989	2/			1989	100	190	19
1990	0			1990	200	180	36
MARICOPA				PINAL			
1986	600	145	87	1986	200	160	32
1987	650	145	94	1987	50	160	8
1988	450	140	63	1988	200	155	31
1989	300	183	55	1989	0		
1990	500	154	77	1990	150	153	23
YUMA							
1986	50	140	7				
1987	50	160	8				
1988	0						
1989	100	170	17				
1990	50	120	6				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.
2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	1,100	1,000	152	152	15.10	2,297
1987	1,000	1,000	135	135	11.40	1,542
1988	1,000	1,000	160	160	16.70	2,672
1989	500	500	182	91	20.30	1,849
1990	1,100	900	158	142	23.90	3,395

1/ Average price for the October through November marketing season.

ALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	2,900	2,800	160	448	12.40	5,555
1987	3,400	3,400	135	459	11.90	5,462
1988	2,400	2,400	175	420	17.30	7,266
1989	2,100	2,100	160	336	12.00	4,032
1990	2,700	2,500	170	425	24.60	10,455

1/ Average price for the June through July and October through November marketing seasons.

ALL HONEYDEWS: Monthly and season average prices received by growers, Arizona, 1986-90

Crop year	June	July	August	September	October	November	Season average
				Dollars per cwt.			
1986	11.50	10.90	--	14.60	15.00	17.60	12.40
1987	14.40	7.38	--	--	10.80	14.30	11.90
1988	18.30	16.50	--	--	16.80	15.50	17.30
1989	9.41	10.30	--	--	23.00	19.50	12.00
1990	29.00	20.90	10.20	11.20	25.90	25.20	24.60

SUMMER CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
LA PAZ				MARICOPA			
1986	2,100	200	420	1986	4,700	183	862
1987	2,430	130	316	1987	4,220	174	734
1988	650	195	127	1988	4,100	172	705
1989	500	68	34	1989	4,800	169	811
1990	*			1990	5,200	138	718
PINAL				YUMA			
1986	0			1986	500	190	95
1987	2/			1987	950	151	143
1988	200	160	32	1988	150	173	26
1989	500	130	65	1989	500	100	50
1990	*			1990	*		

* *Acres harvested not published to avoid disclosure of individual operations.*

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.

2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

SUMMER CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	7,300	7,300	189	1,377	13.50	18,590
1987	7,600	7,600	157	1,193	9.89	11,799
1988	5,100	5,100	175	890	18.30	16,287
1989	6,300	6,300	152	960	7.90	7,584
1990	6,900	6,900	140	966	20.40	19,706

1/ Average price for the May through July marketing season.

FALL CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1986	2/			1986	790	70	55
1987	2/			1987	450	80	36
1988	2/			1988	0		
1989	0			1989	50	160	8
1990	0			1990	0		
MARICOPA				PINAL			
1986	2,700	150	405	1986	110	145	16
1987	2,700	169	455	1987	350	114	40
1988	2,500	175	440	1988	2/		
1989	2,100	200	420	1989	0		
1990	1,450	120	174	1990	0		
YUMA							
1986	0						
1987	100	120	12				
1988	0						
1989	350	183	64				
1990	350	100	35				

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.
2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

FALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	3,600	3,600	132	476	13.10	6,240
1987	3,600	3,600	151	543	9.71	5,273
1988	2,500	2,500	176	440	12.30	5,412
1989	2,500	2,500	197	492	16.40	8,069
1990	2,300	1,800	116	209	15.80	3,302

1/ Average price for the October through November marketing season.

ALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	10,900	10,900	170	1,853	13.40	24,830
1987	11,200	11,200	155	1,736	9.83	17,072
1988	7,600	7,600	175	1,330	16.30	21,699
1989	8,800	8,800	165	1,452	10.80	15,653
1990	9,200	8,700	135	1,175	19.60	23,008

1/ Average price for the May through July and October through November marketing seasons.

POTATOES: Acreage, yield, and production, Arizona, by counties, 1986-90 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1986	400	128	51	1986	5,100	236	1,202
1987	2/			1987	4,900	275	1,348
1988	0			1988	5,150	239	1,231
1989	0			1989	5,800	315	1,827
1990	0			1990	5,500	280	1,540
PINAL				YUMA			
1986	0			1986	400	113	45
1987	0			1987	2/		
1988	0			1988	150	100	15
1989	0			1989	0		
1990	1,000	234	234	1990	400	50	20

1/ Acres and production developed with the assistance of Arizona Fruit and Vegetable Standardization Service.
2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

POTATOES: Acreage, yield, production, price, and value, Arizona, 1986-90

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1986	6,100	5,900	220	1,298	7.30	9,475
1987	4,900	4,900	275	1,348	10.50	14,154
1988	5,300	5,300	235	1,246	9.35	11,650
1989	5,800	5,800	315	1,827	8.30	15,164
1990	6,900	6,900	260	1,794	8.50	15,249

1/ Average price for the April through July marketing season.

POTATOES: Monthly and season average prices received by growers, Arizona, 1986-90 1/

Year	April	May	June	July	Season average price 2/
			Dollars per cwt.		
1986	14.10	7.00	6.10	5.50	7.30
1987	17.00	13.00	7.60	5.50	10.50
1988	21.00	10.80	9.05	6.00	9.35
1989	23.00	9.15	6.25	5.25	8.30
1990	19.60	10.80	7.25	5.45	8.50

1/ Includes fresh market and processed potato prices.
2/ Average price for the April through July marketing season.

OTHER VEGETABLES: Acres, production, and value, Arizona, 1986-90

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ASPARAGUS	1986	486	30 Lb. Carton	46,129	996
	1987	1,723		115,103	2,265
	1988	1,986		165,069	3,549
	1989	3,135		220,545	4,380
	1990	3,500		245,522	5,401
BEETS	1986	66	35 Lb. Carton	32,205	161
	1987	42		22,675	170
	1988	75		19,699	148
	1989	69		26,089	196
	1990	30		16,462	123
BOK CHOY	1986	136	35 Lb. Carton	78,846	552
	1987	162		82,320	594
	1988	131		81,810	538
	1989	215		106,345	527
	1990	90		41,641	206
CABBAGE	1986	902	50 Lb. Carton	351,223	1,054
	1987	723		399,522	1,307
	1988	968		295,521	1,806
	1989	1,468		614,150	3,194
	1990	960		720,949	4,672
ENDIVE	1986	72	25 Lb. Carton	56,510	283
	1987	134		39,811	141
	1988	76		17,469	135
	1989	12		3,641	20
	1990	11		5,146	28
ESCAROLE	1986	46	50 Lb. Carton	36,294	182
	1987	53		3,639	33
	1988	36		1,538	24
	1989	6		2,229	25
	1990	6		4,140	46
GARLIC	1986	0	50 Lb. Sack		
	1987	350		133,000	4,844
	1988	180		1,250	45
	1989	109		1,000	36
	1990	250		118,000	4,228
GREENS	1986	1,942	25 Lb. Carton	2,021,656	7,136
	1987	1,847		1,698,535	6,285
	1988	1,448		1,261,303	5,600
	1989	1,526		1,244,324	5,263
	1990	1,300		1,411,866	6,551
KALE	1986	152	22 Lb. Carton	171,608	982
	1987	170		23,144	136
	1988	177		29,709	175
	1989	163		144,006	690
	1990	190		135,446	650
LETTUCE, BOSTON	1986	281	35 Lb. Carton	57,556	383
	1987	422		8,253	49
	1988	485		64,846	267
	1989	490		282,990	1,599
	1990	400		295,905	1,237
LETTUCE, LEAF	1986	1,678	35 Lb. Carton	1,674,847	12,310
	1987	2,287		1,511,139	6,573
	1988	2,808		1,685,797	11,514
	1989	3,535		1,875,394	10,408
	1990	2,600		1,933,604	7,348

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1986-90--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
LETTUCE, ROMAINE	1986	1,083	35 Lb. Carton	743,289	3,902
	1987	1,625		907,826	9,351
	1988	1,491		882,510	5,869
	1989	1,672		1,042,001	5,220
	1990	2,000		1,177,168	5,074
NAPA	1986	120	20 Lb. Carton	102,786	720
	1987	176		96,817	698
	1988	137		87,206	629
	1989	181		115,278	344
	1990	100		73,539	221
ONIONS, GREEN	1986	1,462	18 Lb. Carton	1,618,641	6,475
	1987	549		897,716	4,578
	1988	460		438,562	3,381
	1989	448		334,091	1,493
	1990	400		234,556	1,304
PARSLEY	1986	114	21 Lb. Carton	80,961	350
	1987	142		98,091	465
	1988	118		75,202	702
	1989	76		76,795	313
	1990	100		66,667	273
PUMPKINS	1986	265	Ton	400	12
	1987	248		1,395	145
	1988	258		564	59
	1989	228		1,271	132
	1990	200		629	65
RADISHES	1986	214	40 Lb. Carton	43,814	153
	1987	132		131,271	851
	1988	89		40,764	430
	1989	30		26,003	275
	1990	10		6,287	67
RAPINI	1986	708	25 Lb. Carton	182,113	1,002
	1987	601		241,057	1,367
	1988	700		167,376	949
	1989	318		66,490	377
	1990	120		45,564	260
SPINACH	1986	533	25 Lb. Carton	225,761	903
	1987	274		119,518	639
	1988	521		153,970	1,186
	1989	463		190,344	1,466
	1990	725		354,594	2,730
SQUASH	1986	450	24 Lb. Carton	151,950	1,368
	1987	374		98,161	1,005
	1988	553		79,174	734
	1989	723		197,911	1,835
	1990	370		157,961	1,469
SWEET CORN	1986	526	50 Lb. Carton	26,364	219
	1987	692		106,047	711
	1988	567		64,322	495
	1989	478		90,070	725
	1990	450		76,129	639
TOMATOES, FIELD	1986	144	Ton	2,880	179
	1987	140		5,775	330
	1988	641		19,386	1,142
	1989	1,225		25,236	1,673
	1990	200		6,049	401

See footnotes at end of table *Continued--*

OTHER VEGETABLES: Acres, production, and value, Arizona, 1986-90--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
TURNIPS	1986	244	25 Lb. Sack	105,531	422
	1987	247		78,610	193
	1988	178		80,702	626
	1989	232		60,902	473
	1990	100		136,479	1,058
MISCELLANEOUS VEGETABLES 3/	1986	918		4/	1,947
	1987	1,563		4/	3,897
	1988	2,851		4/	3,804
	1989	2,285		4/	4,285
	1990	1,800		4/	6,083

1/ Acreage and production figures from the Arizona Fruit and Vegetable Standardization Service reports. Production figures published are utilized production totals which can be affected by weather, market conditions, and vegetable quality.

2/ Value of production developed with the assistance of the Arizona Fruit and Vegetable Standardization Service, the Arizona Cooperative Extension Service, Market News Service, and local growers.

3/ 1986 includes anise, arrugula, artichokes, bell peppers, celantro, chili peppers, cucumbers, green beans, Maza corn, Mexican corn, miscellaneous melons, and rutabagas; 1987 includes anise, artichokes, bell peppers, celantro, chili peppers, cucumbers, green beans, Maza corn, Mexican corn, miscellaneous melons, and rutabagas; 1988 includes anise, artichokes, bell peppers, celery, chili peppers, chinese cabbage, cucumbers, Fava beans, leeks, Maza corn, Mexican corn, miscellaneous melons, and okra; 1989 includes anise, artichokes, celantro, celery, chili peppers, cucumbers, Fava beans, leeks, Maza corn, miscellaneous melons, okra, snap beans, and swiss chard; 1990 includes anise, artichokes, bell peppers, celery, celantro, chili peppers, cucumbers, Fava beans, leeks, miscellaneous melons, okra, snap beans, and swiss chard.

4/ Not available due to the different units of production for these vegetables.

FRUITS AND NUTS

The 1989-90 crop year was a record setter for Arizona fruit and nut producers with estimated total value of production for the sector jumping 38% to $141 million. All of the major categories saw double digit percentage increases except navel oranges and tangerines.

The Citrus category (which accounted for 58% of total Arizona fruit and nut revenues) saw an increase in production value of 18.5 million dollars for the crop year ending in early 1990.

Significantly higher grapefruit prices led the way, resulting primarily from December 1989 freeze conditions in Texas and Florida which left Arizona's crop unaffected. Grapefruit output rose from 3.9 million cartons to 4.4 million as the season average price more than doubled --- reaching $5.17 per carton, up from $2.33 the year before.

Lemon output dropped by 1.8 million cartons, but an average price of $6.97 a carton (versus $4.47 for the prior year) more than offset the fall in production; returns to lemon growers rose nearly 6.5 million dollars. Higher prices and fairly stable production levels for Valencia oranges were more than counterbalanced by a drop in the price and production of navel, sweet and miscellaneous oranges.

Over one-sixth of Arizona's total production in the fruit and nut category came from the grape industry in 1990. Vineyard returns were 26% above their 1989 levels, but prices received were still well below the $1,000 per ton level that prevailed during most of the 1980's.

Tree nut acreage remained under 16,000 during the year. Pecan prices were at much improved levels compared to the previous year while pistachios were down. The pecan production estimate for Arizona is combined with Kansas, Missouri, and Tennessee. Production in these four states totaled 20.2 million pounds, a 24% increase over the 16.3 million pounds produced in 1989. The average price received for pecans marketed in these four states, averaged $1.30 compared with 81 cents for the 1989 season.

The state's apple crop realized an increase of over 93% in total value of production from the prior year, with the amount pegged at nearly 4.9 million dollars. Much of the bearing acreage of over 4,000 acres lies in Cochise County near Willcox where winter "chill" requirements can be met. Production went from 34.0 million pounds in 1989 to 61.0 million in 1990.

APPLES: Acreage, production, price and value, Arizona, 1989 and 1990

Crop year	Bearing acreage	Utilization of production			Season average price	Value of production
		Fresh	Processed	Total		
	Acres		Mil. lbs.		Dol. per lb.	1,000 dol.
1989	4,400	12.8	21.2	34.0	.074	2,531
1990	4,000	11.0	50.0	61.0	.080	4,892

PECANS: Production, price and value, four states, 1989 and 1990 1/

Crop year	Utilized production	Price per pound	Value of production
	1,000 lbs.	Dollars	1,000 dollars
1989	16,300	.810	13,199
1990	20,200	1.300	26,260

1/ Four states include Arizona, Kansas, Missouri and Tennessee.

GRAPES: Acreage and variety, Arizona, by counties, 1986-90 1/

County and year	Table Varieties					Wine Varieties 3/	Total
	Cardinals	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
				Acres			
MARICOPA							
1986	30	655	825	1,205	45	0	2,760
1987	30	655	825	1,245	75	0	2,830
1988	30	845	790	1,115	75	0	2,855
1989	0	825	755	1,010	75	0	2,665
1990	0	845	535	1,010	25	0	2,415
PINAL							
1986	0	950	265	840	0	0	2,055
1987	0	1,095	280	880	10	0	2,265
1988	0	770	170	780	10	0	1,730
1989	0	980	275	695	30	0	1,980
1990	0	780	85	345	30	0	1,240
YUMA							
1986	55	250	260	605	25	0	1,195
1987	20	525	370	765	25	0	1,705
1988	20	515	500	745	40	0	1,820
1989	0	510	415	295	15	0	1,235
1990	0	520	415	295	15	0	1,245
OTHER COUNTIES 4/							
1986	0	0	0	0	0	290	290
1987	0	0	0	0	0	300	300
1988	0	0	0	0	0	295	295
1989	0	0	0	0	0	320	320
1990	0	0	0	0	0	200	200
ARIZONA							
1986	85	1,855	1,350	2,650	70	290	6,300
1987	50	2,275	1,475	2,890	110	300	7,100
1988	50	2,130	1,460	2,640	125	295	6,700
1989	0	2,315	1,445	2,000	120	320	6,200
1990	0	2,145	1,035	1,650	70	200	5,100

1/ Area acreage estimates developed with the assistance of Arizona Fruit and Vegetable Standardization Service, Arizona Cooperative Extension Service, Arizona Wine Growers Association, and local growers.

2/ Includes Robin, Black Beauty, and Exotic varieties.

3/ Wine acreage 1986 through 1989 is acres planted, 1990 is bearing acres.

4/ Includes Cochise, Pima, Santa Cruz, and Yavapai counties.

GRAPES: Production, price, and value, Arizona, 1986-90

Year	Total Production	Utilized Production	Season average price 1/	Value of utilized production
	Tons		Dol. per ton	1,000 dol.
1986	23,000	23,000	1,090.00	25,070
1987	31,000	21,000	1,010.00	21,279
1988	25,500	24,000	1,250.00	29,913
1989	26,500	26,500	674.00	17,861
1990	26,000	26,000	870.00	22,616

1/ Average price for the June 5-July 15 marketing season.

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/			Utilization of Production		
	White	Red Blush	All	Fresh 2/	Processed 2/	Total
	Acres			1,000 cartons 3/		
MARICOPA 4/						
1985/86	1,860	1,990	3,850	1,560	1,530	3,090
1986/87	1,680	1,900	3,580	1,850	1,390	3,240
1987/88	1,630	1,870	3,500	1,350	960	2,310
1988/89	1,900	2,100	4,000	1,320	920	2,240
1989/90	1,800	2,000	3,800	1,595	825	2,420
YUMA						
1985/86	220	1,630	1,850	2,040	470	2,510
1986/87	290	2,030	2,320	1,630	630	2,260
1987/88	260	2,240	2,500	1,250	340	1,590
1988/89	250	2,250	2,500	1,350	310	1,660
1989/90	300	2,300	2,600	1,735	245	1,980

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Production for all grapefruit.
3/ Net weight per carton, 32 pounds.
4/ Includes small acreage and production in Pinal County.

GRAPEFRUIT: Acreage, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1985/86	5,700	3,600	2,000	5,600	2.42	13,542
1986/87	5,900	3,480	2,020	5,500	2.53	13,924
1987/88	6,000	2,600	1,300	3,900	2.26	8,788
1988/89	6,500	2,670	1,230	3,900	2.33	9,078
1989/90	6,400	3,330	1,070	4,400	5.17	22,719

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-July 31.
3/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Season average price and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	5.95	2.42	3.57	.35	1.68	2.83	-.40
1986/87	6.20	2.53	3.74	.45	1.77	2.98	-.32
1987/88	5.55	2.26	3.09	.58	1.46	2.29	-.22
1988/89	6.00	2.33	3.37	.07	1.53	2.57	-.74
1989/90	9.40	5.17	6.75	.23	4.35	5.93	-.60

1/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Sept.	6.65	3.79	4.28	.34	3.05	3.54	-.40
Oct.	6.65	3.67	4.28	.34	2.93	3.54	-.40
Nov.	6.50	3.16	4.13	.34	2.42	3.39	-.40
Dec.	6.45	3.08	4.08	.34	2.34	3.34	-.40
Jan.	6.10	2.67	3.73	.34	1.93	2.99	-.40
Feb.	5.80	2.38	3.43	.34	1.64	2.69	-.40
Mar.	5.15	1.83	2.78	.34	1.09	2.04	-.40
Apr.	5.45	1.95	3.08	.34	1.21	2.34	-.40
May	6.60	2.25	4.14	.37	1.50	3.39	-.38
June	6.65	1.49	4.19	.37	.74	3.44	-.38
July	--	--	--	--	--	--	--
1986/87							
Sept.	9.25	6.79	6.79	--	6.04	6.04	--
Oct.	8.75	5.46	6.29	.46	4.71	5.54	-.29
Nov.	6.15	3.40	3.69	.46	2.65	2.94	-.29
Dec.	5.50	2.53	3.04	.46	1.78	2.29	-.29
Jan.	5.50	2.48	3.04	.46	1.73	2.29	-.29
Feb.	5.15	2.14	2.69	.46	1.39	1.94	-.29
Mar.	4.39	1.60	1.93	.46	.85	1.18	-.29
Apr.	4.12	1.23	1.66	.46	.48	.91	-.29
May	6.20	2.43	3.74	.46	1.68	2.99	-.29
June	7.15	2.44	4.69	.44	1.64	3.89	-.36
July	4.57	1.28	2.11	.44	.48	1.31	-.36
1987/88							
Sept.	--	--	--	--	--	--	--
Oct.	6.30	3.61	3.84	.58	2.81	3.04	-.22
Nov.	5.65	2.76	3.19	.58	1.96	2.39	-.22
Dec.	5.45	2.81	2.99	.58	2.01	2.19	-.22
Jan.	5.50	2.77	3.04	.58	1.97	2.24	-.22
Feb.	5.15	2.22	2.69	.58	1.42	1.89	-.22
Mar.	5.05	1.92	2.59	.58	1.12	1.79	-.22
Apr.	4.88	2.11	2.42	.58	1.31	1.62	-.22
May	5.85	2.34	3.39	.58	1.54	2.59	-.22
June	5.80	2.02	3.34	.58	1.22	2.54	-.22
July	3.44	.72	.98	.58	-.09	.18	-.22
1988/89							
Sept.	--	--	--	--	--	--	--
Oct.	7.00	4.02	4.54	.22	3.22	3.74	-.58
Nov.	5.40	2.15	2.75	-.05	1.35	1.95	-.85
Dec.	5.45	2.52	2.80	.05	1.72	2.00	-.75
Jan.	5.25	2.05	2.60	-.02	1.25	1.80	-.82
Feb.	5.05	1.81	2.40	.09	1.01	1.60	-.71
Mar.	5.25	2.27	2.60	-.05	1.47	1.80	-.85
Apr.	5.75	2.18	3.10	-.05	1.38	2.30	-.85
May	6.25	2.28	3.60	.02	1.48	2.80	-.78
June	6.90	2.12	4.25	.16	1.32	3.45	-.64
July	--	.37	--	.37	-.43	--	-.43
1989/90							
Sept.	9.25	6.46	6.60	.37	5.66	5.80	-.43
Oct.	6.60	3.87	3.95	.37	3.08	3.15	-.43
Nov.	5.70	2.84	3.05	.37	2.04	2.25	-.58
Dec.	5.85	2.97	3.20	-.03	2.15	2.38	-.85
Jan.	8.00	4.83	5.35	.10	4.01	4.53	-.72
Feb.	8.85	5.48	6.20	.26	4.66	5.38	-.56
Mar.	10.50	6.45	7.85	.06	5.63	7.03	-.76
Apr.	10.40	5.55	7.75	.16	4.73	6.93	-.66
May	10.10	4.25	7.45	.34	3.43	6.63	-.48
June	6.70	3.09	4.05	.51	2.27	3.23	-.31
July	--	--	--	--	--	--	--

1/ Net weight per carton, 32 pounds.

LEMONS: Acreage and production, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1985/86	2,000	620	480	1,100
1986/87	1,500	290	910	1,200
1987/88	1,500	300	290	590
1988/89	1,500	310	120	430
1989/90	1,400	300	136	436
YUMA				
1985/86	14,500	3,160	1,940	5,100
1986/87	14,000	4,400	8,600	13,000
1987/88	14,000	3,630	3,080	6,710
1988/89	14,000	3,650	3,520	7,170
1989/90	14,100	3,354	2,010	5,364

1/ Acres harvested from Lemon Administrative Committee.
2/ Net weight per carton, 38 pounds.
3/ Includes small acreage and production in Pinal County.

LEMONS: Acreage, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1985/86	16,500	3,780	2,420	6,200	7.52	46,639
1986/87	15,500	4,690	9,510	14,200	2.06	29,281
1987/88	15,500	3,930	3,370	7,300	4.31	31,418
1988/89	15,500	3,960	3,640	7,600	4.47	33,935
1989/90	15,500	3,654	2,146	5,800	6.97	40,402

1/ Acres harvested from Lemon Administrative Committee.
2/ Equivalent packinghouse door returns. Marketing season August 15-March 1.
3/ Net weight per carton, 38 pounds.

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	15.60	7.52	11.86	.76	6.15	10.48	-.62
1986/87	8.25	2.06	4.54	.84	.68	3.16	-.54
1987/88	11.35	4.31	7.60	.46	2.83	6.12	-1.02
1988/89	11.50	4.47	7.71	.94	2.92	6.16	-.62
1989/90	14.15	6.97	10.22	1.43	5.49	8.74	-.06

1/ Net weight per carton, 38 pounds.

LEMONS: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Sept.	24.30	15.05	20.47	.84	13.53	18.95	-.68
Oct.	25.75	16.47	22.01	.83	15.11	20.65	-.53
Nov.	13.50	6.44	9.76	.74	5.08	8.40	-.62
Dec.	11.35	4.75	7.61	.74	3.39	6.25	-.62
Jan.	10.40	3.86	6.66	.74	2.50	5.30	-.62
Feb.	8.05	2.30	4.31	.74	.94	2.95	-.62
Mar.	6.40	1.12	2.66	.74	-.25	1.30	-.62
Apr.	4.71	.96	.97	.74	-.41	-.39	-.62
May	10.15	6.41	6.41	--	5.05	5.05	--
June	6.40	2.00	2.66	.74	.64	1.30	-.62
1986/87							
Sept.	7.65	2.52	3.94	.75	1.14	2.56	-.63
Oct.	8.50	3.07	4.79	.75	1.69	3.41	-.63
Nov.	8.20	2.59	4.49	.84	1.21	3.11	-.54
Dec.	8.25	2.23	4.54	.84	.85	3.16	-.54
Jan.	8.35	1.80	4.64	.84	.42	3.26	-.54
Feb.	9.60	1.62	5.89	.84	.64	4.51	-.54
Mar.	9.75	1.34	6.04	.84	-.05	4.66	-.54
Apr.	5.45	.99	1.74	.84	-.39	.36	-.54
May	2.57	.22	-1.14	.84	-1.16	-2.52	-.54
June	--	--	--	--	--	--	--
1987/88							
Sept.	15.10	6.87	11.35	.46	5.39	9.87	-1.02
Oct.	13.05	6.29	9.30	.46	4.81	7.82	-1.02
Nov.	11.80	4.96	8.05	.46	3.48	6.57	-1.02
Dec.	9.85	3.30	6.10	.46	1.82	4.62	-1.02
Jan.	8.65	2.27	4.90	.46	.79	3.42	-1.02
Feb.	9.25	2.63	5.50	.46	1.15	4.02	-1.02
Mar.	12.15	4.34	8.40	.46	2.86	6.92	-1.02
Apr.	4.97	.84	1.22	.46	-.64	-.26	-1.02
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1988/89							
Sept.	15.00	7.62	11.21	.42	6.07	9.66	-1.13
Oct.	12.70	5.86	8.91	.42	4.31	7.36	-1.13
Nov.	10.75	4.44	6.96	1.11	2.89	5.41	-.44
Dec.	10.05	3.54	6.26	1.13	1.99	4.71	-.42
Jan.	10.20	3.01	6.41	1.03	1.46	4.86	-.52
Feb.	11.60	2.32	7.81	1.03	.77	6.26	-.52
Mar.	11.65	3.74	7.86	1.05	2.19	6.31	-.50
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1989/90							
Sept.	17.40	10.75	13.47	1.18	9.27	11.99	-.30
Oct.	16.45	9.68	12.52	1.18	8.20	11.04	-.30
Nov.	13.30	6.47	9.37	1.31	4.99	7.89	-.17
Dec.	11.60	4.72	7.67	1.52	3.24	6.19	.04
Jan.	11.20	4.69	7.27	1.66	3.21	5.79	.18
Feb.	12.80	4.60	8.87	1.73	3.12	7.39	.25
Mar.	--	--	--	--	--	--	--
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--

1/ Net weight per carton, 38 pounds.

VALENCIA ORANGES: Acreage and production, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1985/86	2,430	780	300	1,080
1986/87	2,300	890	610	1,500
1987/88	2,200	640	370	1,010
1988/89	2,500	590	410	1,000
1989/90	2,100	505	534	1,039
YUMA				
1985/86	4,370	1,540	340	1,880
1986/87	4,300	1,310	590	1,900
1987/88	4,200	1,070	340	1,410
1988/89	4,000	840	460	1,300
1989/90	3,700	1,065	276	1,341

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

VALENCIA ORANGES: Acreage, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1985/86	6,800	2,320	640	2,960	3.02	8,931
1986/87	6,600	2,200	1,200	3,400	2.65	9,012
1987/88	6,400	1,710	710	2,420	3.54	8,565
1988/89	6,500	1,430	870	2,300	3.60	8,280
1989/90	5,800	1,570	810	2,380	3.93	9,344

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season February 1-July 15.
3/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Season average price and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	6.40	3.02	3.80	.18	2.12	2.90	-.72
1986/87	6.25	2.65	3.72	.69	1.80	2.87	-.16
1987/88	7.20	3.54	4.54	1.13	2.66	3.66	.25
1988/89	7.60	3.60	4.92	1.43	2.70	4.02	.53
1989/90	7.55	3.93	4.77	2.29	3.03	3.87	1.39

1/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Jan.	6.45	4.10	4.10	--	3.20	3.20	--
Feb.	6.70	2.80	4.10	.18	1.90	3.20	-.72
Mar.	6.85	3.44	4.25	.18	2.54	3.35	-.72
Apr.	6.55	3.11	3.95	.18	2.21	3.05	-.72
May	6.10	2.72	3.50	.18	1.82	2.60	-.72
June	5.40	2.38	2.80	.18	1.48	1.90	-.72
July	4.23	1.12	1.63	.18	.22	.73	-.72
Aug.	--	--	--	--	--	--	--
1986/87							
Jan.	7.60	5.07	5.07	--	4.22	4.22	--
Feb.	7.60	3.78	5.07	.69	2.93	4.22	-.16
Mar.	6.15	2.53	3.62	.69	1.68	2.77	-.16
Apr.	6.00	2.49	3.47	.69	1.64	2.62	-.16
May	6.60	2.88	4.07	.69	2.03	3.22	-.16
June	5.95	2.54	3.42	.69	1.69	2.57	-.16
July	6.10	1.96	3.57	.69	1.11	2.72	-.16
Aug.	--	--	--	--	--	--	--
1987/88							
Jan.	--	--	--	--	--	--	--
Feb.	7.20	4.15	4.54	1.13	3.27	3.66	.25
Mar.	7.15	3.56	4.49	1.13	2.68	3.61	.25
Apr.	7.50	3.84	4.84	1.13	2.96	3.96	.25
May	7.20	3.56	4.54	1.13	2.68	3.66	.25
June	4.47	1.44	1.81	1.13	.56	.93	.25
July	8.00	1.78	5.34	1.13	.90	4.46	.25
Aug.	--	--	--	--	--	--	--
1988/89							
Jan.	--	--	--	--	--	--	--
Feb.	8.60	4.34	5.92	.88	3.44	5.02	-.02
Mar.	8.30	4.59	5.62	.98	3.69	4.72	.08
Apr.	6.80	2.87	4.12	1.23	1.97	3.22	.33
May	6.75	2.92	4.07	1.45	2.02	3.17	.55
June	8.40	4.09	5.72	2.09	3.19	4.82	1.19
July	8.55	4.03	5.87	2.18	3.13	4.97	1.28
Aug.	--	--	--	--	--	--	--
1989/90							
Jan.	--	--	--	--	--	--	--
Feb.	8.95	5.31	6.17	2.01	4.41	5.27	1.11
Mar.	7.95	4.33	5.17	2.15	3.43	4.27	1.25
Apr.	7.35	3.85	4.57	2.15	2.95	3.67	1.25
May	7.60	3.91	4.82	2.28	3.01	3.92	1.38
June	6.95	3.46	4.17	2.59	2.56	3.27	1.69
July	4.74	2.12	1.96	2.38	1.22	1.06	1.48
Aug.	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1985/86	3,910	930	120	1,050
1986/87	4,010	1,670	270	1,940
1987/88	3,970	1,090	70	1,160
1988/89	3,570	950	90	1,040
1989/90	4,080	634	66	700
YUMA				
1985/86	290	40	10	50
1986/87	290	50	10	60
1987/88	230	50	10	60
1988/89	330	50	10	60
1989/90	320	50	10	60

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1985/86	4,200	970	130	1,100	4.58	5,037
1986/87	4,300	1,720	280	2,000	3.86	7,723
1987/88	4,200	1,140	80	1,220	5.22	6,364
1988/89	3,900	1,000	100	1,100	5.97	6,569
1989/90	4,400	684	76	760	5.26	3,997

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-March 15.
3/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Season average price and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	8.00	4.58	5.20	-.05	3.75	4.37	-.88
1986/87	7.15	3.86	4.50	-.06	3.04	3.68	-.88
1987/88	8.55	5.22	5.54	.60	4.35	4.67	-.22
1988/89	9.30	5.97	6.52	.49	5.12	5.67	-.37
1989/90	8.65	5.26	5.70	1.30	4.38	4.82	.42

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Oct.	11.15	6.95	8.35	-.05	6.12	7.52	-.88
Nov.	9.05	5.71	6.25	-.05	4.88	5.42	-.88
Dec.	8.05	4.73	5.25	-.05	3.90	4.42	-.88
Jan.	6.80	3.33	4.00	-.05	2.50	3.17	-.88
Feb.	5.85	2.02	3.05	-.05	1.19	2.22	-.88
Mar.	5.35	2.55	2.55	--	1.72	1.72	--
1986/87							
Oct.	9.00	5.50	6.35	-.06	4.68	5.53	-.88
Nov.	8.40	5.12	5.75	-.06	4.30	4.93	-.88
Dec.	7.15	3.78	4.50	-.06	2.96	3.68	-.88
Jan.	5.90	2.66	3.25	-.06	1.84	2.43	-.88
Feb.	4.00	1.13	1.35	-.06	.31	.53	-.88
Mar.	3.65	.90	1.00	-.06	.08	.18	-.88
1987/88							
Oct.	16.60	10.71	13.59	.60	9.85	12.72	-.22
Nov.	9.95	6.57	6.94	.60	5.70	6.07	-.22
Dec.	7.85	4.57	4.84	.60	3.70	3.97	-.22
Jan.	7.45	4.17	4.44	.60	3.30	3.57	-.22
Feb.	5.95	2.80	2.94	.60	1.94	2.07	-.22
Mar.	--	--	--	--	--	--	--
1988/89							
Oct.	10.60	7.82	7.82	--	6.97	6.97	--
Nov.	10.90	7.45	8.12	.71	6.60	7.27	-.14
Dec.	9.50	6.07	6.72	.36	5.22	5.87	-.49
Jan.	7.05	4.01	4.27	.49	3.16	3.42	-.36
Feb.	5.40	2.48	2.62	.67	1.63	1.77	-.18
Mar.	--	--	--	--	--	--	--
1989/90							
Oct.	--	--	--	--	--	--	--
Nov.	9.30	5.81	6.35	1.11	4.93	5.47	.23
Dec.	8.15	4.75	5.20	1.39	3.87	4.32	.51
Jan.	8.40	5.17	5.45	1.44	4.29	4.57	.56
Feb.	8.10	4.99	5.15	1.80	4.11	4.27	.92
Mar.	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Acreage and production, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1985/86	6,340	1,710	420	2,130
1986/87	6,310	2,560	880	3,440
1987/88	6,170	1,730	440	2,170
1988/89	6,070	1,540	500	2,040
1989/90	6,180	1,139	600	1,739
YUMA				
1985/86	4,660	1,580	350	1,930
1986/87	4,590	1,360	600	1,960
1987/88	4,430	1,120	350	1,470
1988/89	4,330	890	470	1,360
1989/90	4,020	1,115	286	1,401

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

ALL ORANGES: Acreage, production, price and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1985/86	11,000	3,290	770	4,060	3.44	13,968
1986/87	10,900	3,920	1,480	5,400	3.10	16,735
1987/88	10,600	2,850	790	3,640	4.10	14,929
1988/89	10,400	2,430	970	3,400	4.37	14,849
1989/90	10,200	2,254	886	3,140	4.25	13,431

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns.
3/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Season average price and equivalent returns by utilization, Arizona 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	6.85	3.44	4.22	.14	2.56	3.34	-.75
1986/87	6.65	3.10	4.06	.55	2.26	3.23	-.30
1987/88	7.75	4.10	4.94	1.08	3.23	4.07	.21
1988/89	8.30	4.37	5.58	1.34	3.49	4.70	.44
1989/90	7.90	4.25	5.05	2.21	3.36	4.16	1.31

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Oct.	11.15	6.95	8.35	-.05	6.12	7.52	-.88
Nov.	9.05	5.71	6.25	-.05	4.88	5.42	-.88
Dec.	8.05	4.73	5.25	-.05	3.90	4.42	-.88
Jan.	6.80	3.42	4.02	-.05	2.58	3.18	-.88
Feb.	6.45	2.55	3.77	.11	1.67	2.89	-.77
Mar.	6.80	3.42	4.20	.18	2.52	3.31	-.72
Apr.	6.55	3.11	3.95	.18	2.21	3.05	-.72
May	6.10	2.72	3.50	.18	1.82	2.60	-.72
June	5.40	2.38	2.80	.18	1.48	1.90	-.72
July	4.23	1.12	1.63	.18	.22	.73	-.72
1986/87							
Oct.	9.00	5.50	6.35	-.06	4.68	5.53	-.88
Nov.	8.40	5.12	5.75	-.06	4.30	4.93	-.88
Dec.	7.15	3.78	4.50	-.06	2.96	3.68	-.88
Jan.	6.10	2.87	3.44	-.06	2.05	2.62	-.88
Feb.	5.30	2.20	2.71	.36	1.37	1.87	-.48
Mar.	5.80	2.37	3.26	.67	1.52	2.41	-.18
Apr.	6.00	2.49	3.47	.69	1.64	2.62	-.16
May	6.60	2.88	4.07	.69	2.03	3.22	-.16
June	5.95	2.54	3.42	.69	1.69	2.57	-.16
July	6.10	1.96	3.57	.69	1.11	2.72	-.16
1987/88							
Oct.	16.60	10.71	13.59	.60	9.85	12.72	-.22
Nov.	9.95	6.57	6.94	.60	5.70	6.07	-.22
Dec.	7.85	4.57	4.84	.60	3.70	3.97	-.22
Jan.	7.45	4.17	4.44	.60	3.30	3.57	-.22
Feb.	6.75	3.71	4.00	1.03	2.84	3.12	.16
Mar.	7.15	3.56	4.49	1.13	2.68	3.61	.25
Apr.	7.50	3.84	4.84	1.13	2.96	3.96	.25
May	7.20	3.56	4.54	1.13	2.68	3.66	.25
June	4.45	1.44	1.81	1.13	.56	.93	.25
July	8.00	1.78	5.34	1.13	.90	4.46	.25
1988/89							
Oct.	10.60	7.82	7.82	--	6.97	6.97	--
Nov.	10.90	7.45	8.12	.71	6.60	7.27	-.14
Dec.	9.50	6.07	6.72	.36	5.22	5.87	-.49
Jan.	7.05	4.01	4.27	.49	3.16	3.42	-.36
Feb.	6.95	3.53	4.24	.85	2.65	3.36	-.05
Mar.	8.30	4.59	5.62	.98	3.69	4.72	.08
Apr.	6.80	2.87	4.12	1.23	1.97	3.22	.33
May	6.75	2.92	4.07	1.45	2.02	3.17	.55
June	8.40	4.09	5.72	2.09	3.19	4.82	1.19
July	8.55	4.03	5.87	2.18	3.13	4.97	1.28
1989/90							
Oct.	--	--	--	--	--	--	--
Nov.	9.30	5.81	6.35	1.11	4.93	5.47	.23
Dec.	8.15	4.75	5.20	1.39	3.87	4.32	.51
Jan.	8.40	5.17	5.45	1.44	4.29	4.57	.56
Feb.	8.55	5.16	5.66	1.98	4.27	4.77	1.08
Mar.	7.95	4.33	5.17	2.15	3.43	4.27	1.25
Apr.	7.35	3.85	4.57	2.15	2.95	3.67	1.25
May	7.60	3.91	4.82	2.28	3.01	3.92	1.38
June	6.95	3.46	4.17	2.59	2.56	3.27	1.69
July	4.74	2.12	1.96	2.38	1.22	1.06	1.48

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Acreage and production, Arizona, by counties, 1985/86-1989/90

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1985/86	1,790	610	310	920
1986/87	1,610	920	240	1,160
1987/88	2,030	620	140	760
1988/89	1,900	680	170	850
1989/90	2,100	545	205	750
YUMA				
1985/86	1,510	830	150	980
1986/87	1,590	530	110	640
1987/88	1,470	380	60	440
1988/89	1,700	360	90	450
1989/90	1,900	375	75	450

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Net weight per carton, 37.5 pounds.
3/ Includes small acreage and production in Pinal County.

TANGERINES: Acreage, production, price, and value, Arizona, 1985/86-1989/90

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1985/86	3,300	1,440	460	1,900	5.93	11,266
1986/87	3,200	1,450	350	1,800	6.11	11,001
1987/88	3,500	1,000	200	1,200	7.60	9,116
1988/89	3,600	1,040	260	1,300	7.68	9,980
1989/90	4,000	920	280	1,200	8.25	9,892

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
2/ Equivalent packinghouse door returns. Marketing season November 1-February 1.
3/ Net weight per carton, 37.5 pounds.

TANGERINES: Season average price and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86	10.35	5.93	7.75	.23	5.03	6.85	-.67
1986/87	9.95	6.11	7.42	.69	5.26	6.57	-.16
1987/88	11.55	7.60	8.89	1.13	6.72	8.01	.25
1988/89	12.10	7.68	9.42	.71	6.78	8.52	-.20
1989/90	13.10	8.25	10.32	1.42	7.35	9.42	.52

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Monthly prices and equivalent returns by utilization, Arizona, 1985/86-1989/90

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1985/86							
Oct.	10.65	8.05	8.05	--	7.15	7.15	--
Nov.	9.65	5.94	7.05	.23	5.04	6.15	-.67
Dec.	11.15	6.96	8.55	.23	6.06	7.65	-.67
Jan.	10.45	6.17	7.85	.23	5.27	6.95	-.67
Feb.	10.50	5.10	7.90	.23	4.20	7.00	-.67
Mar.	9.80	5.36	7.20	.23	4.46	6.30	-.67
Apr.	7.80	4.58	5.20	.23	3.68	4.30	-.67
May	3.51	.91	.91	--	.01	.01	--
1986/87							
Oct.	11.50	8.97	8.97	--	8.12	8.12	--
Nov.	10.00	6.02	7.47	.69	5.17	6.62	-.16
Dec.	11.25	6.98	8.72	.69	6.13	7.87	-.16
Jan.	11.25	7.03	8.72	.69	6.18	7.87	-.16
Feb.	7.95	4.55	5.42	.69	3.70	4.57	-.16
Mar.	6.85	3.95	4.32	.69	3.10	3.47	-.16
Apr.	.77	-1.76	-1.76	--	-2.61	-2.61	--
May	2.64	.11	.11	--	-.74	-.74	--
1987/88							
Oct.	--	--	--	--	--	--	--
Nov.	10.45	7.57	7.79	1.13	6.69	6.91	.25
Dec.	11.90	8.15	9.24	1.13	7.27	8.36	.25
Jan.	12.70	8.33	10.04	1.13	7.45	9.16	.25
Feb.	10.65	6.29	7.99	1.13	5.41	7.11	.25
Mar.	10.20	6.49	7.54	1.13	5.61	6.66	.25
Apr.	6.10	3.44	3.44	--	2.56	2.56	--
May	15.10	12.44	12.44	--	11.56	11.56	--
1988/89							
Oct.	--	--	--	--	--	--	--
Nov.	10.75	6.13	8.07	.71	5.23	7.17	-.19
Dec.	12.65	8.70	9.97	.71	7.80	9.07	-.19
Jan.	13.75	9.20	11.07	.65	8.30	10.17	-.25
Feb.	10.55	6.95	7.87	.66	6.05	6.97	-.24
Mar.	10.55	4.90	7.87	.76	4.00	6.97	-.14
Apr.	4.86	2.18	2.18	--	1.28	1.28	--
May	--	--	--	--	--	--	--
1989/90							
Oct.	12.30	7.56	9.52	.71	6.66	8.62	-.19
Nov.	11.80	6.90	9.02	.97	6.00	8.12	.07
Dec.	15.05	9.49	12.27	1.39	8.59	11.37	.49
Jan.	13.35	9.42	10.57	1.57	8.52	9.67	.67
Feb.	11.05	6.20	8.27	1.59	5.30	7.37	.69
Mar.	10.45	5.44	7.67	1.71	4.54	6.77	.81
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1986-90 1/

Crop and area	1986	1987	1988	1989	1990
			Acres		
FRUIT					
APRICOTS					
Central	166	173	190	202	162
Western	27	27	9	4	4
Total	193	200	199	206	166
FIGS					
Central	90	90	90	90	90
Total	90	90	90	90	90
NECTARINES					
Central	26	46	30	36	36
Total	26	46	30	36	36
PEACHES					
Central	90	123	78	136	136
Eastern	447	448	249	264	327
Western	56	57	60	92	92
Total	593	628	387	492	555
PLUMS					
Central	162	92	13	10	0
Total	162	92	13	10	0
NUTS					
PECANS					
Central	9,345	9,317	8,793	8,843	8,446
Eastern	3,344	3,359	3,840	3,873	3,873
Western	1,419	1,442	1,419	1,419	692
Total	14,108	14,118	14,052	14,135	13,011
PISTACHIOS					
Central	521	484	459	459	459
Eastern	590	670	1,029	1,108	1,112
Western	152	152	157	157	157
Total	1,263	1,306	1,645	1,724	1,728
ALMONDS					
Central	2,800	2,800	0	0	0
Total	2,800	2,800	0	0	0

1/ Central area includes Maricopa and Pinal counties, eastern area includes Graham, Cochise, Pima, and Santa Cruz counties, and western area includes La Paz and Yuma counties.

Source: Arizona Fruit and Vegetable Standardization Service.

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1986-90 1/

Crop	Year	Acres in production	Unit	Utilized production	Value of production
		Acres		1,000 units	1,000 dollars
APRICOTS	1986	193	22 lb. lug	13	167
	1987	200		14	110
	1988	199		90	333
	1989	206		14	75
	1990	166		3	12
NECTARINES	1986	26	22 lb. lug	7	79
	1987	46		8	44
	1988	30		23	85
	1989	36		5	21
	1990	36		1	5
PEACHES	1986	593	22 lb. lug	33	198
	1987	628		113	465
	1988	387		97	286
	1989	492		68	224
	1990	555		53	198
PLUMS	1986	162	22 lb. lug	16	165
	1987	92		38	153
	1988	13		7	25
	1989	10		1	28
	1990	0			

1/ Developed with the assistance of the Arizona Fruit and Vegetable Standardization Service, the Arizona Coope-ative Extension Service, Market News Service, and local growers.

CATTLE AND CALVES

The estimated value of Arizona's cattle and calf inventory on Jan. 1, 1991 was above the half billion dollar mark for the first time ever. Arizona's 840,000 cattle were worth 520.8 million dollars, up 10,000 head and 35 million dollars from the previous January. Poor grazing conditions kept inventories at historically low levels. Beef cow replacement heifers fell 3,000 head to reach 45,000.

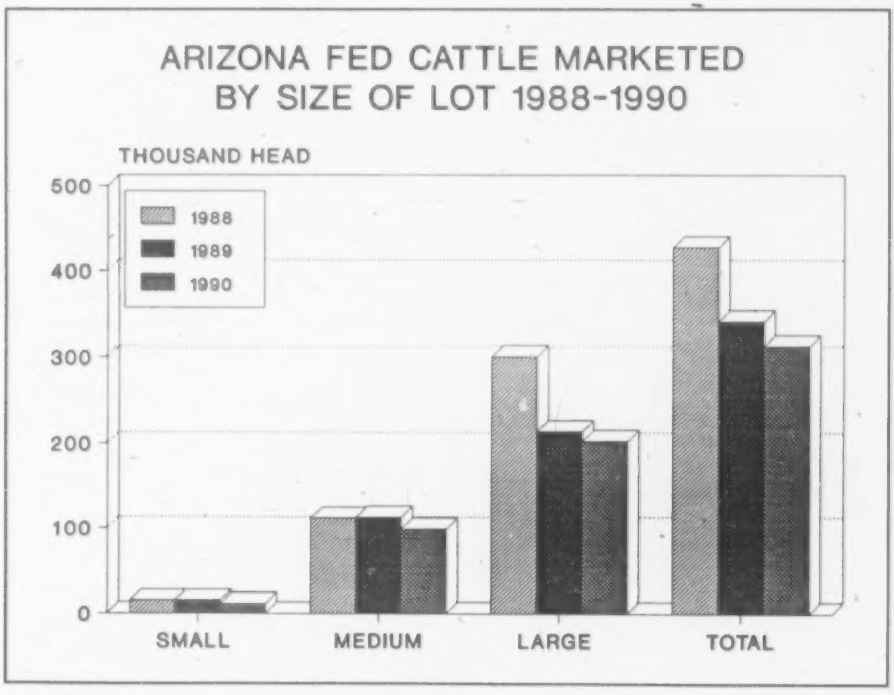
1990 was a banner year for cattle and calf prices. The average price per hundredweight for all beef cattle rose to $71.70, up from $66.30 for 1989. While steers and heifers brought a marketing year average of $76.50 per cwt., even cows averaged better than $50 per cwt., to reach $51.30. Calf prices reached record levels also, averaging $91.90 per cwt. for the 1990 marketing year. The 1990 calf crop of 280,000 head was 97 percent of the 1989 figure.

Gross income on the 696 million pounds of marketings (excluding in-state interfarm sales and farm slaughter) rose 11.9 percent from 1989 to 1990 to top out at almost 508 million dollars.

Arizona's 14 feedlots marketed 313,000 head in 1990, a decline of 29,000 from the year before. As of April 1, 1991, 201,000 cattle on feed were reported in Arizona. 193,000 of these were steers on feed for slaughter along with 8,000 heifers. Heifers on feed in Arizona feedlots historically have comprised less than 5 percent of the total number on feed.

The number of livestock slaughtering establishments fell from 25 in 1990 to 22 in 1991. Red meat production also dropped, from 239 million pounds in 1989 to 226 million in 1990, a decline of over 5 percent. Three hundred forty-four thousand head were slaughtered in 1990.

In-shipments of cattle to Arizona from other states and Mexico rose 26 percent during 1990 from the 1989 level. Cattle shipped into Arizona are usually destined for feedlots. Fed cattle marketings account for about half of all cattle sold in Arizona.



ALL CATTLE AND MILK COWS: Number of operations and inventory, Arizona and United States, January 1, 1987-91 1/

Year	Arizona				United States			
	All cattle and calves		Milk cows		All cattle and calves		Milk cows	
	Operations	Head	Operations	Head	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand	Number	Thousand	Number	Thousand
1987	5,000	1,000	600	87	1,396,460	102,118	227,880	10,466
1988	4,800	960	550	90	1,355,720	99,622	217,440	10,311
1989	4,600	880	500	92	1,323,300	98,065	203,710	10,212
1990	4,600	830	500	91	1,288,610	98,162	193,790	10,153
1991	2/	840	2/	96	2/	99,436	2/	10,159

1/ An operation is any place having one or more head of the species on hand at any time during the year.
2/ Not available until January, 1992.

ALL CATTLE AND CALVES: Number on farms and value, Arizona, January 1, 1987-91

Year	All cattle and calves	Cows		Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Heifers, steers and bulls under 500 lbs.	Value of all cattle and calves	
		Beef cows	Milk cows	Beef cow replacement	Milk cow replacement	Other heifers				Per head	Total
	1,000 head									Dollars	1,000 dol.
1987	1,000	268	87	54	20	18	285	30	238	385	385,000
1988	960	260	90	51	19	14	299	27	200	500	480,000
1989	880	263	92	49	20	12	262	26	156	565	497,200
1990	830	259	91	48	20	11	215	24	162	585	485,550
1991	840	249	96	45	20	13	235	26	156	620	520,800

ALL CATTLE AND CALVES: Inventory, supply, and disposition, Arizona, 1986-91

Year	Inventory January 1	Calf Crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Cattle	Calves		Cattle	Calves
				1,000 head				
1986	1,050	310	530	760	72	3	25	30
1987	1,000	295	540	743	71	5	26	30
1988	960	300	490	720	92	3	25	30
1989	880	290	410	605	92	3	25	25
1990	830	280	520	640	92	3	25	30
1991	840							

1/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes inter-farm sales within the State and farm slaughter.
2/ Excludes custom slaughter for farmers at commercial establishments.

ALL CATTLE AND CALVES: Production and income, Arizona, 1986-90

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home consumption	Gross income
			Cattle	Calves				
	1,000 lbs.		Dollars		1,000 dol.			
1986	552,270	812,910	51.90	58.60	287,311	423,085	2,774	425,859
1987	580,735	787,945	61.00	74.90	355,762	483,269	4,875	488,144
1988	531,780	779,560	65.80	87.30	352,027	518,411	3,050	521,461
1989	454,680	671,800	66.30	86.70	307,755	450,771	3,108	453,879
1990	478,350	696,490	71.70	91.90	347,985	504,694	3,298	507,992

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus liveweight of inshipments, and any increase or decrease in the live weight of inventory.
2/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes inter-farm sales within the State and farm slaughter.
3/ Receipts from marketings and sale of farm slaughter.

ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1987-91 1/

County and year	All cattle and calves	County and year	All cattle and calves	County and year	All cattle and calves
	1,000 head		1,000 head		1,000 head
APACHE		COCHISE		COCONINO	
1987	57	1987	60	1987	48
1988	54	1988	60	1988	47
1989	54	1989	57	1989	49
1990	52	1990	60	1990	46
1991	55	1991	63	1991	50
GILA		GRAHAM		GREENLEE	
1987	40	1987	44	1987	10
1988	34	1988	39	1988	10
1989	32	1989	38	1989	12
1990	29	1990	34	1990	9
1991	32	1991	40	1991	13
LA PAZ		MARICOPA		MOHAVE	
1987	5	1987	213	1987	25
1988	4	1988	187	1988	23
1989	4	1989	182	1989	23
1990	2	1990	181	1990	18
1991	2	1991	158	1991	20
NAVAJO		PIMA		PINAL	
1987	60	1987	50	1987	192
1988	50	1988	45	1988	220
1989	50	1989	48	1989	148
1990	45	1990	42	1990	139
1991	45	1991	40	1991	162
SANTA CRUZ		YAVAPAI		YUMA	
1987	22	1987	65	1987	109
1988	20	1988	53	1988	114
1989	18	1989	60	1989	105
1990	16	1990	57	1990	100
1991	17	1991	60	1991	83
ARIZONA					
1987	1,000				
1988	960				
1989	880				
1990	830				
1991	840				

1/ Includes range cattle and calves, milk cows, and cattle on feed.

MILK COWS: Number on farms, Arizona, by counties, January 1, 1987-91

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head
MARICOPA		PIMA		PINAL	
1987	78	1987	4	1987	3
1988	77	1988	5	1988	5
1989	77	1989	5	1989	7
1990	76	1990	3	1990	7
1991	82	1991	1/	1991	8
OTHER COUNTIES		ARIZONA			
1987	2	1987	87		
1988	3	1988	90		
1989	3	1989	92		
1990	5	1990	91		
1991	6	1991	96		

1/ Milk cows included in Other Counties to avoid disclosure of individual operations.

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearnce, Arizona, 1986-90

Month	1986	1987	1988	1989	1990
			1,000 head		
JANUARY					
Number on feed January 1	344	343	351	275	253
Placed on feed during January	23	31	28	16	26
Marketed during January	28	33	29	22	24
Other disappearance during January	5	12	11	9	9
FEBRUARY					
Number on feed February 1	334	329	339	260	246
Placed on feed during February	14	32	29	15	18
Marketed during February	32	33	35	24	25
Other disappearance during February	4	10	21	5	5
MARCH					
Number on feed March 1	312	318	312	246	234
Placed on feed during March	20	29	28	30	22
Marketed during March	40	41	43	34	33
Other disappearance during March	1	9	6	5	10
APRIL					
Number on feed April 1	291	297	291	237	213
Placed on feed during April	31	36	41	24	22
Marketed during April	36	46	54	45	34
Other disappearance during April	1	9	9	9	5
MAY					
Number on feed May 1	285	278	269	207	196
Placed on feed during May	46	44	35	14	22
Marketed during May	45	54	59	42	36
Other disappearance during May	10	13	16	9	10
JUNE					
Number on Feed June 1	276	255	229	170	172
Placed on feed during June	21	52	37	23	25
Marketed during June	58	62	52	36	34
Other disappearance during June	1	2	3	2	3
JULY					
Number on feed July 1	238	243	211	155	160
Placed on feed during July	34	45	26	31	30
Marketed during July	50	43	35	30	30
Other disappearance during July	1	7	2	3	2
AUGUST					
Number on feed August 1	221	238	200	153	158
Placed on feed during August	74	67	35	43	35
Marketed during August	39	34	35	24	26
Other disappearance during August	2	3	1	1	2
SEPTEMBER					
Number on feed September 1	254	268	199	171	165
Placed on feed during September	52	64	44	43	39
Marketed during September	34	26	27	19	20
Other disappearance during September	1	6	2	2	4
OCTOBER					
Number on feed October 1	271	300	214	193	180
Placed on feed during October	74	69	70	62	46
Marketed during October	41	28	21	18	20
Other disappearance during October	1	2	4	1	2
NOVEMBER					
Number on feed November 1	303	339	259	236	204
Placed on feed during November	59	39	40	41	42
Marketed during November	32	33	22	25	17
Other disappearance during November	2	3	7	1	5
DECEMBER					
Number on feed December 1	328	342	270	251	224
Placed on feed during December	49	40	31	27	28
Marketed during December	27	27	16	23	14
Other disappearance during December	7	4	10	2	6

CATTLE ON FEED: Inventory by class and weight group, Arizona, quarterly, January 1, 1986 - April 1, 1991

Date	Total	Steers and steer calves	Heifers and heifer calves	Weight group				
				Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. and over
				1,000 head				
1986								
Jan. 1	344	337	7	57	124	116	42	5
Apr. 1	291	283	8	43	82	102	58	6
July 1	238	230	8	27	49	73	85	4
Oct. 1	271	267	4	60	86	71	50	4
1987								
Jan. 1	343	334	9	86	124	92	38	3
Apr. 1	297	291	6	35	78	118	65	1
July 1	243	239	4	36	66	84	55	2
Oct. 1	300	296	4	90	95	70	43	2
1988								
Jan. 1	351	343	8	63	124	90	73	1
Apr. 1	291	284	7	37	59	86	100	9
July 1	211	207	4	39	43	71	55	3
Oct. 1	214	209	5	67	54	57	30	6
1989								
Jan. 1	275	265	10	43	88	81	58	5
Apr. 1	237	232	5	36	40	77	80	4
July 1	155	151	4	22	35	47	47	4
Oct. 1	193	186	7	40	76	47	28	2
1990								
Jan. 1	253	241	12	54	74	67	55	3
Apr. 1	213	202	11	40	48	69	54	2
July 1	160	155	4	32	44	39	43	1
Oct. 1	180	176	4	45	60	41	32	2
1991								
Jan. 1	232	225	6	37	70	77	43	4
Apr. 1	201	193	8	34	39	60	58	10

CATTLE ON FEED: Number of feedlots and marketings by size of feedlot capacity, Arizona, 1986-90

Year	Feedlot capacity in number of head							
	Under 15,999		16,000 - 31,999		32,000 and over		Total	
	Lots	Cattle marketed	Lots	Cattle marketed	Lots	Cattle marketed	Lots	Cattle marketed
	Number	1,000 head	Number	1,000 head	Number	1,000 head	Number	1,000 head
1986	10	19	6	159	6	284	22	462
1987	9	17	6	177	5	266	20	460
1988	8	15	5	109	5	304	18	428
1989	7	15	5	113	3	214	15	342
1990	6	11	5	99	3	203	14	313

CATTLE ON FEED: Arizona, by counties, monthly, 1986-91

County	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept.1	Oct. 1	Nov. 1	Dec. 1
						1,000 head						
						1986						
Maricopa	83	81	71	67	72	70	63	64	73	72	76	82
Pinal	162	154	145	135	126	116	95	81	101	111	138	150
Yuma	99	99	96	89	87	90	80	76	80	88	89	96
Other Counties	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	344	334	312	291	285	276	238	221	254	271	303	328
						1987						
Maricopa	68	56	48	41	37	33	30	26	29	30	35	36
Pinal	170	175	170	160	140	128	124	125	140	161	189	194
Yuma	105	98	100	96	101	94	89	87	99	109	115	112
Other Counties	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	343	329	318	297	278	255	243	238	268	300	339	342
						1988						
Maricopa	37	36	34	29	29	25	25	26	29	34	39	40
Pinal	200	193	173	161	137	113	93	85	87	92	121	129
Yuma	113	110	105	101	103	91	92	88	83	88	98	101
Other Counties	1	0	0	0	0	0	1	1	0	0	1	0
ARIZONA	351	339	312	291	269	229	211	200	199	214	259	270
						1989						
Maricopa	43	38	32	28	22	17	16	16	17	21	31	36
Pinal	129	123	121	119	102	85	75	76	79	90	110	118
Yuma	103	99	93	90	83	68	64	61	75	82	95	97
Other Counties	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	275	260	246	237	207	170	155	153	171	193	236	251
						1990						
Maricopa	34	33	30	24	23	17	16	18	8	9	9	10
Pinal	122	118	112	104	96	86	83	78	90	102	121	134
Yuma	97	95	92	85	77	69	61	62	67	69	74	80
Other Counties	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	253	246	234	213	196	172	160	158	165	180	204	224
						1991						
Maricopa	9	9	9	9								
Pinal	142	139	133	123								
Yuma	81	80	77	69								
Other Counties	0	0	0	0								
ARIZONA	232	228	219	201								

FED CATTLE MARKETED FOR SLAUGHTER: Arizona, by counties, 1986-1990

Year	Maricopa	Pinal	Yuma	Other Counties	Total
			1,000 head		
1986	138	209	115	0	462
1987	91	233	136	0	460
1988	49	229	149	1	428
1989	47	172	123	0	342
1990	28	172	113	0	313

ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona, 1986-90

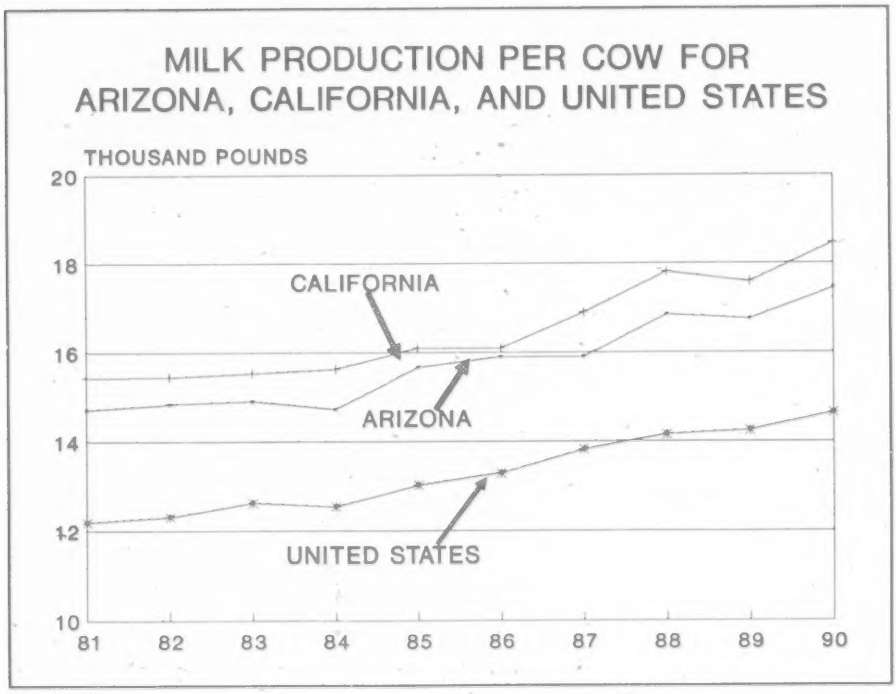
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							ALL BEEF CATTLE 1/						
1986	52.50	51.40	52.80	49.80	51.40	50.60	54.00	54.00	52.40	52.90	50.20	51.10	51.90
1987	55.30	58.70	60.60	63.10	64.20	63.50	60.80	61.10	61.60	57.60	57.60	59.90	61.00
1988	59.50	65.10	68.00	66.80	69.40	65.50	64.50	67.50	65.70	65.50	64.00	61.90	65.80
1989	66.60	70.30	69.50	67.40	66.70	64.00	66.60	68.20	63.70	62.40	61.70	67.30	66.30
1990	68.60	69.20	74.20	69.20	70.20	70.70	71.50	73.90	73.40	71.40	72.30	74.50	71.70
							STEERS AND HEIFERS						
1986	58.60	55.80	55.50	52.90	53.70	52.40	55.10	56.60	55.40	57.60	56.70	57.90	55.20
1987	58.50	62.40	62.80	66.70	67.50	65.80	63.30	65.50	66.80	64.60	64.40	64.00	64.60
1988	65.90	68.00	69.60	70.70	72.50	68.20	66.40	69.60	69.20	71.80	72.80	71.40	69.80
1989	73.60	74.10	75.80	73.00	72.80	70.10	70.80	73.60	70.40	71.50	73.10	75.10	72.90
1990	75.80	77.20	77.30	77.10	75.80	73.70	73.70	77.20	77.00	77.70	78.00	77.50	76.50
							CALVES						
1986	59.50	60.70	55.80	54.50	52.50	51.20	54.30	59.70	63.10	60.70	62.60	60.60	58.60
1987	65.10	68.80	69.40	72.20	72.70	72.50	73.60	81.70	87.40	79.90	81.60	78.70	74.90
1988	87.00	90.60	86.90	86.10	87.20	78.20	80.00	88.10	86.90	86.90	89.40	88.40	87.30
1989	90.10	93.60	89.10	83.40	85.20	86.70	84.80	92.20	90.10	86.60	83.70	80.70	86.70
1990	88.90	91.40	96.00	94.80	95.40	86.70	90.50	93.50	91.70	88.40	91.40	93.10	91.90
							COWS						
1986	34.10	35.90	36.80	34.00	33.70	33.30	33.40	36.70	37.90	34.90	34.00	35.00	35.00
1987	40.00	41.80	43.00	42.20	41.40	41.70	42.50	44.00	45.70	43.00	42.10	43.30	42.60
1988	46.90	48.10	48.70	46.90	45.40	42.60	43.40	46.00	44.40	43.80	43.40	44.90	45.20
1989	46.40	51.80	47.60	46.10	44.30	45.10	45.70	47.90	48.50	45.80	44.10	44.60	46.30
1990	48.00	54.80	53.00	51.50	52.10	47.80	49.90	55.10	53.80	51.20	47.30	50.20	51.30

1/ Includes steers and heifers, and cows.

DAIRY

The average number of milk cows maintained by Arizona dairies increased 3 percent to a record level of 94,000 head during 1990. As of January 1, 1991 the number of milk cows totaled 96,000 head, the highest level on record. This was an expansion of 5,000 head over the Jan. 1, 1990 inventory. Milk production per cow set a record with an average of 17,447 pounds per milk cow being produced. This was an increase of 689 pounds in one year.

Milk production also hit a record high with 1.64 billion pounds being produced during 1990. Producer's cash receipts from milk rose to 229.8 million dollars buoyed by a 50 cent increase in average returns per 100 pounds of milk. Dairy feed prices were up slightly in 1990 compared to 1989 in Arizona, with the annual average feed value per hundredweight of milk reaching $3.56, up 6 cents.



DAIRY: Milk cows and milk production, Arizona, quarterly, 1986-1990

Year	Milk Cows					Milk Production				
	January-March	April-June	July-September	October-December	Average number during year	January-March	April-June	July-September	October-December	Annual Total
	1,000 head					Million lbs.				
1986	89	87	83	84	86	368	363	303	334	1,368
1987	89	91	91	90	90	366	371	331	364	1,432
1988	90	89	88	90	89	401	398	334	367	1,500
1989	88	89	93	94	91	396	393	338	398	1,525
1990	92	94	95	96	94	436	430	362	412	1,640

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona, 1986-1990

Year	Milk cows 1/	Production per milk cow		Milkfat percent	Total production		Value
		Milk	Milkfat		Milk	Milkfat	Total milk produced 2/
	1,000 head	Lbs.			Million lbs.		1,000 dol.
1986	86	15,907	587	3.69	1,368	50.5	173,736
1987	90	15,911	592	3.72	1,432	53.3	183,296
1988	89	16,854	632	3.75	1,500	56.3	186,000
1989	91	16,758	617	3.68	1,525	56.1	207,400
1990	94	17,447	628	3.60	1,640	59.0	231,240

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Includes sales of milk, cream and butter, value of milk used for home consumption and value of milk fed to calves.

MILK USED AND MARKETED BY PRODUCERS: Arizona, 1986-1990

Year	Milk used where produced			Milk marketed by producers		
	Fed to calves	Used for milk, cream and butter	Total	Sold to plants, and dealers	Sold directly to consumers	Total
			Million lbs.			
1986	6	1	7	1,361	1/	1,361
1987	5	1	6	1,426	1/	1,426
1988	8	2	10	1,490	1/	1,490
1989	7	2	9	1,516	1/	1,516
1990	8	2	10	1,630	1/	1,630

1/ Sales nominal. Included with milk sold to plants and dealers.

MILK PRODUCTION: Marketings and income, Arizona, 1986-1990

Year	Combined marketings of milk and cream				Used for milk, cream and butter where produced		Gross producer income
	Milk utilized	Average returns		Cash receipts from marketings	Milk utilized	Value	
		Per 100 lbs. of milk	Per lb. of milkfat				
	Million lbs.	Dollars		1,000 dol.	Million lbs.	1,000 dol.	
1986	1,361	12.70	3.44	172,847	1	127	172,974
1987	1,426	12.80	3.44	182,528	1	128	182,656
1988	1,490	12.40	3.31	184,760	2	248	185,008
1989	1,516	13.60	3.70	206,176	2	272	206,448
1990	1,630	14.10	3.92	229,830	2	282	230,112

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1986-90 1/

Year	Quantity fed to milk cows			Value of feed fed per cwt.	Feed value per cwt. of milk produced
	Total	Per cow	Per cwt. of milk produced		
	1,000 tons	Pounds	Pounds	Dollars	Dollars
1986	322	7,480	47	6.72	3.16
1987	351	7,800	49	6.22	3.05
1988	360	8,090	48	6.88	3.30
1989	368	8,090	48	7.30	3.50
1990	394	8,370	48	7.36	3.56

1/ Estimates for all places where milk produced, either for sale or for home use.

DAIRY PLANTS: Arizona, 1986-90 1/

1986	1987	1988	1989	1990
Number				
7	7	7	8	8

1/ Plants manufacturing one or more dairy products.

ICE CREAM: Production, Arizona, monthly and annual, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1986	639	468	672	615	619	547	627	639	520	570	352	443	6,711
1987	450	594	595	688	642	707	679	619	540	592	460	340	6,906
1988	430	674	726	584	611	506	605	700	707	628	423	418	7,012
1989	613	671	763	617	601	687	712	668	585	608	508	409	7,442
1990	504	549	650	780	664	687	782	762	412	533	460	449	7,232

ICE MILK: Production, Arizona, monthly and annual, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1986	399	377	426	472	460	454	475	458	434	436	366	377	5,134
1987	351	441	490	517	515	576	611	494	518	488	394	361	5,756
1988	362	459	512	503	512	518	451	553	514	482	439	438	5,743
1989	394	441	580	532	590	542	540	588	558	434	383	337	5,919
1990	436	488	465	603	596	535	586	704	479	526	430	446	6,294

MILK SHERBET: Production, Arizona, monthly and annual, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 gallons												
1986	79	33	58	44	53	86	70	51	39	51	29	45	638
1987	34	51	67	72	59	68	84	62	71	38	41	28	675
1988	39	56	60	52	63	65	79	56	50	55	34	32	641
1989	42	29	57	56	59	42	59	50	46	42	32	51	565
1990	21	27	58	42	30	40	45	39	26	30	21	25	404

SHEEP, LAMBS, AND WOOL

At the beginning of 1991, sheep and lamb inventories in Arizona stood at 250,000 head, a drop of 12,000 from the previous January. The number of stock sheep fell by 15,000 to 205,000, accounting for 82 percent of all sheep in the state. Ewes over one year declined by 7,000 to 163,000 head. New crop lambs remained unchanged at 53,000 head. Sheep and lambs on feed rose to 45,000 head, an increase of 3,000. Due to the rich cultural heritage and weaving traditions of Arizona's Native American population, two-thirds of all sheep in the state are to be found on Indian reservations.

Sheep and lamb marketings rose slightly to reach 20.9 million pounds. Average prices per hundredweight for both sheep and lambs received by Arizona stockmen fell 13 to 14 percent. Cash receipts dipped below the 10 million dollar mark for the first time since 1986.

Inshipments rose to 100,000 head, up 29,000 from 1989. This increase, amid declines in inventories, reflects more winter grazing of sheep from Montana, Idaho, Colorado, Utah, New Mexico, and Wyoming on Arizona alfalfa fields during the winter months. Inter-mountain sheep producers are finding that the costs of shipping their sheep to Arizona is more than made up by profitable weight gains under healthier conditions.

Wool prices fell 42.7 percent, plummeting to 63 cents per pound, down from the record level the year before of $1.10. Value of wool production dwindled to 977,000 dollars, the lowest level since 1983.

SHEEP: Number of operations and inventory, January 1, Arizona and United States, 1987-91 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1987	550	283	113,640	10,572.2
1988	500	284	113,440	10,945.4
1989	450	284	111,140	10,857.5
1990	450	262	109,600	11,363.3
1991	2/	250	2/	11,200.1

1/ An operation is any place having one or more sheep on hand during the year.
2/ Not available until January 1992.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1987-91

Year	Stock sheep and lambs 1/		Sheep and lambs on feed 2/	All sheep and lambs	Farm value		Lamb crop	
	Ewes	Rams and wethers			Per head	Total	Breeding ewes Jan. 1	Lambs saved
	1,000 head				Dollars	1,000 dol.	1,000 head	
1987	185	34	64	283	68.00	19,244	144	120
1988	208	29	47	284	89.50	25,418	180	125
1989	211	28	45	284	90.00	25,560	185	130
1990	197	23	42	262	89.00	23,318	170	115
1991	185	20	45	250	80.00	20,000	163	3/

1/ Ewes, rams and wethers of all ages excluding new crop lambs.
2/ Excludes stock sheep and lambs and new crop lambs.
3/ Not available until January, 1992.

SHEEP AND LAMBS: Inventory, supply, and disposition, Arizona, 1986-January 1, 1991

Year	Inventory January 1	Lamb crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Sheep	Lambs		Sheep	Lambs
				1,000 head				
1986	278	112	138	157	52	15	10	11
1987	283	120	95	63	117	14	9	11
1988	284	125	93	67	117	13	9	12
1989	284	130	71	75	114	13	9	12
1990	262	115	100	71	124	13	8	11
1991	250							

1/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.
2/ Excludes custom slaughter for farmers at commercial establishments.

SHEEP AND LAMBS: Production and income, Arizona, 1986-90

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home consumption	Gross income
			Sheep	Lambs				
	1,000 lbs.		Dollars		1,000 dol.			
1986	9,790	21,190	15.30	64.60	3,445	5,554	507	6,061
1987	12,540	19,260	21.40	74.80	6,029	10,369	605	10,974
1988	12,885	19,740	26.70	80.70	8,128	11,589	660	12,249
1989	12,795	20,400	27.90	71.50	7,354	10,662	625	11,287
1990	12,450	20,920	24.00	62.10	6,209	9,745	541	10,286

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and any increase or decrease in live weight of inventory.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.

3/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: Number on farms, Arizona, by counties, January 1, 1987-91

County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs	County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs
		1,000 head					1,000 head		
APACHE					COCONINO				
1987	85	0	85	8	1987	27	0	27	2
1988	92	0	92	7	1988	31	0	31	2
1989	94	0	94	15	1989	33	0	33	6
1990	90	0	90	13	1990	30	0	30	6
1991	85	0	85	13	1991	28	0	28	6
MARICOPA					NAVAJO				
1987	26	15	41	14	1987	55	0	55	5
1988	24	17	41	13	1988	59	0	59	4
1989	18	13	31	10	1989	62	0	62	9
1990	18	10	28	10	1990	60	0	60	9
1991	15	8	23	10	1991	58	0	58	9
PINAL					YUMA				
1987	9	18	27	3	1987	5	29	34	1
1988	13	14	27	4	1988	8	15	23	3
1989	17	19	36	9	1989	7	12	19	4
1990	11	15	26	7	1990	7	12	19	4
1991	9	14	23	7	1991	5	15	20	4
OTHER COUNTIES					ARIZONA				
1987	12	2	14	4	1987	219	64	283	37
1988	10	1	11	3	1988	237	47	284	36
1989	8	1	9	3	1989	239	45	284	56
1990	4	5	9	4	1990	220	42	262	53
1991	5	8	13	4	1991	205	45	250	53

1/ Excludes new crop lambs (those born after September 30 the previous year and on hand January 1).

2/ Includes sheep and lambs being fattened for slaughter market on grain, other concentrates, or succulent pastures. Excludes stock sheep and lambs and new crop lambs.

WOOL PRODUCTION AND VALUE: Arizona, 1986-90

Year	All sheep shorn 1/	Weight per fleece	Shorn wool production	Average price per pound	Value of production 2/
	1,000 head	Pounds	1,000 lbs.	Cents	1,000 dol.
1986	305	6.7	2,055	53	1,089
1987	269	7.2	1,950	69	1,346
1988	267	6.6	1,750	108	1,890
1989	240	6.8	1,630	110	1,793
1990	228	6.8	1,550	63	977

1/ Includes fed sheep shorn.

2/ Equivalent to cash receipts from farm marketings.

SHEEP, LAMBS, AND WOOL: Monthly and annual average prices received by producers, Arizona, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							SHEEP						
1986	29.00	24.80	15.00	15.20	24.30	26.50	32.20	22.90	24.20	20.30	20.80	21.40	15.30
1987	32.50	25.60	28.70	34.90	19.20	26.10	30.80	27.20	27.60	30.80	27.50	29.30	21.40
1988	29.30	27.50	26.50	28.80	28.60	26.80	26.10	27.40	24.60	21.90	22.10	26.60	26.70
1989	31.00	30.90	23.20	29.30	33.00	26.70	23.90	23.40	19.70	22.50	34.00	37.30	27.90
1990	27.60	28.20	23.00	30.00	27.50	26.30	25.50	25.90	25.60	28.30	19.90	25.20	24.00
							LAMBS						
1986	56.30	65.00	65.50	69.00	68.20	61.90	55.50	66.50	69.40	65.90	56.80	60.50	64.60
1987	74.00	74.00	74.50	1/	79.00	79.20	73.40	73.10	69.60	66.50	63.50	70.30	74.80
1988	80.50	81.30	76.60	69.10	73.30	58.10	59.60	64.10	67.00	65.20	61.30	64.70	80.70
1989	63.00	68.00	76.70	63.90	66.90	50.30	69.70	77.90	74.10	67.20	58.80	57.30	71.50
1990	52.50	63.00	62.00	60.90	54.10	52.00	54.80	50.00	48.50	50.40	40.90	35.30	62.10
							WOOL						
1986	71.00	67.00	65.00	41.00	44.00	48.00	37.00	61.00	56.00	46.00	70.00	68.00	53.00
1987	82.00	85.00	77.00	54.00	59.00	53.00	50.00	90.00	84.00	85.00	77.00	94.00	69.00
1988	135.00	158.00	129.00	74.00	90.00	101.00	71.00	101.00	75.00	79.00	115.00	103.00	108.00
1989	118.00	167.00	119.00	74.00	84.00	90.00	92.00	63.00	92.00	117.00	87.00	76.00	110.00
1990	93.00	93.00	92.00	55.00	49.00	45.00	51.00	46.00	--	44.00	50.00	42.00	63.00

GOATS AND MOHAIR

Arizona has surpassed New Mexico to become the state with the second largest inventory of Angora goats in the country. As of January 1, 1991, Arizona's inventory stood at 108,000 head, an increase of 10,000 over the previous year. While the per head price declined by $5 a head to reach $45, the increase in inventory kept the total value of goats at just under 5 million dollars. Most goats in Arizona are owned by Native Americans, with the Navajos of northeastern Arizona responsible for the majority of herds.

Mohair prices fell sharply from 1989 to 1990. The price per pound dove from 99 cents to 52 cents. Even though production of mohair increased from 370,000 pounds to 400,000, the value of mohair produced fell 43 percent to just above the 200 thousand dollar mark for the calendar year of 1990.

ANGORA GOATS: Number on farms and value, Arizona, January 1, 1989-91

Year	Goats	Farm Value	
		Per head	Total
	1,000 head	Dollars	1,000 dollars
1989	100	55.00	5,500
1990	98	50.00	4,900
1991	108	45.00	4,860

MOHAIR PRODUCTION AND VALUE: Arizona 1989 and 1990

Year	Goats clipped	Weight per clip	Mohair production	Average price per pound	Value of production
	1,000 head	Pounds	1,000 lbs.	Cents	1,000 dol.
1989	90	4.1	370	99	366
1990	95	4.2	400	52	208

GRAZING FEES: Arizona, 1987-91

Approximately 44 percent of Arizona's total area of 72,960,000 acres is federal and state public trust lands administered by the U.S. Department of Interior's Bureau of Land Management, the U.S. Department of Agriculture's Forest Service, and Arizona's State Land Department. A majority of these public lands are leased for livestock grazing.

For the years 1979-1985, fees for grazing on federal public lands were determined by a formula established in the Public Rangelands Improvement Act of 1978 (PRIA). This act expired December 31, 1985. On February 14, 1986, in the absence of Congressional action, the President, through Executive Order 12548, indefinitely extended the PRIA formula subject to a few minor changes.

These minor changes included:(1) the Forage Value Index would use the weighted average estimate of the annual rental charge per head per month rather than Animal Unit Month; (2) the Beef Cattle Price Index means the weighted average annual selling price for beef cattle in the 11 Western States, and (3) the Prices Paid Index would reflect selected livestock production costs in the Western States. In addition, the Executive Order specified that the fee shall not be less than $1.35 per Animal Unit Month and that annual adjustments would not exceed plus or minus 25 percent of the previous year's grazing fee.

Effective March 1, 1988, the Secretary of Agriculture issued a final ruling that established regulations for annually determining federal grazing fees. The fee system now in effect is the formula prescribed in the Executive Order of February, 1986, and, in most respects, is the same grazing fee formula enacted by Congress in 1978. Grazing fees will be based on a rate per head month.

A head month is a month's use and occupancy of range by one animal, except for sheep or goats. A full head month's fee is charged for a month of grazing by adult animals; if the grazing animal is weaned or 6 months of age or older at the time of entering the federal lands; or will become 12 months of age during the permitted period of use. For fee purposes 5 sheep or goats are equivalent to one cow, bull, steer, heifer, horse, or mule.

Arizona adopted the federal fee formula for state trust lands beginning in 1982,except that a base year fee of $.95 is used instead of the federal base fee of $1.23, the difference being a credit for range improvements made on state lands and for taxes paid on those lands by the lessees.

Grazing fee formula components are compiled by the USDA's Agricultural Statistics Board and furnished to USDI Bureau of Land Management, USDA's Forest Service, and the Arizona State Land Department for calculating the grazing fee each year. The components are made public at the same time, during the last week of December.

PUBLIC LAND GRAZING FEE FORMULATION

Grazing fee components	Unit	Base year 1964-68	Grazing fee year				
			1987	1988	1989	1990	1991
Grazing Rates on Private Land 1/	Dollars	3.65	8.10	8.54	8.75	8.87	9.22
Forage Value Index (FVI) 2/		100	222	234	240	243	253
Average Price Received for Beef Cattle per Cwt. 3/	Dollars	22.04	51.80	59.96	65.46	67.47	71.81
Beef Cattle Price Index (BCPI) 4/		100	235	272	297	306	326
Prices Paid Index (PPI) 5/		100	388	381	386	402	419
Federal Grazing Fee 6/	Dollars	(1.23)	7/ 1.35	1.54	1.86	1.81	1.97
State Grazing Fee 6/	Dollars	(.95)	.66	1.19	1.43	1.40	1.52

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado,Idaho, Montana, Nevada, New Mexico, Oregon, Utah Washington, Wyoming. Rate for 1987 is per AUM. Rates for 1988 through 1991 are per head month.

2/ Private grazing rates current year divided by base year times 100.

3/ Average for twelve months November-October prior to the fee year for eleven western states; see footnote 1.

4/ Beef cattle price current year divided by base year times 100.

5/ Index of prices paid for beef cattle production inputs as percent of base year.

6/ The grazing fee = base year fee (FVI + BCPI - PPI) ÷ 100. 1991, for example = $1.23 (253 + 326 - 419) ÷ 100 = $1.97 (federal); $.95 (253 + 326 - 419) ÷ 100 = $1.52 (state).

7/ Minimum fee established by Executive Order.

HOGS AND PIGS

Estimates for December 1, 1990 show that the inventories of Arizona's 400 hog producers had risen 10 percent from the previous year reaching 110,000 head. Hogs for breeding grew to 13,000 head. Market hog numbers expanded to 97,000 head from 88,000. Inventories from the three weight groups under 60, 60-119, and 180 pounds and over, increased 13.8, 8.3 and 20 percent respectively. Inventories in the 120-179 pound category remained at 20 thousand head. The value of Arizona's hog inventory rose from 8.8 million dollars to approximately 10.3 million.

Arizona Department of Agriculture records indicate in-shipments for the year fell by 2,000 head to only 4,000.The majority of hogs and pigs shipped into Arizona are feeder pigs although farrow-to-finish operations predominate.

The total pig crop was largely unchanged from the previous December to November measuring period. During 1990, 24,000 sows propagated 196,000 pigs -- down by only one thousand. The September-November pig crop was up 17,000 head from the 1989 level of 31 thousand, leaving the crop almost evenly divided among the quarters of the year.

The gross income of the Arizona pork industry remained at the 20 million dollar mark. The price picture improved with average price per cwt. rising from $44.50 to $54.60,but production and marketings continued on downward trends falling 8.1 and 19 percent respectively. Around 13,600 hogs were slaughtered commercially, with most Arizona-raised animals going out-of-state for slaughter.

HOGS: Number of Operations and inventory December 1, Arizona and United States, 1986-90 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1986	500	155	346,090	51,001
1987	450	130	328,640	54,384
1988	450	130	326,600	55,469
1989	440	100	306,210	53,821
1990	400	110	278,040	54,562

1/ An operation is any place having one or more hogs and pigs on hand during the year.

HOGS AND PIGS: Inventory by class, weight group, and farm value, Arizona, December 1, 1986-90

Year	Breeding	Market	Market hogs and pigs by weight group				All hogs	Value	
			Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over		Per head	Total
			1,000 head					Dol.	1,000 dol.
1986	18	137	39	37	37	24	155	112.00	17,360
1987	14	116	34	30	29	23	130	93.50	12,155
1988	15	115	44	27	23	21	130	75.00	9,750
1989	12	88	29	24	20	15	100	88.00	8,800
1990	13	97	33	26	20	18	110	93.00	10,230

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1986-91

Year	Inventory Dec. 1 1/	Pig crop		Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
		Dec.-May	June-Nov.				
	1,000 head						
1986	175	125	138	3	274	1	11
1987	155	123	119	9	260	1	15
1988	130	113	101	15	215	1	13
1989	130	114	83	6	222	1	10
1990	100	99	97	4	179	1	10
1991	110						

1/ December 1 of previous year.

2/ Includes animals for slaughter markets, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.

3/ Excludes custom slaughter for farmers at commercial establishments.

PIG CROP: Sows farrowed, pigs per litter, and pigs saved, Arizona, 1986 and 1987

Year 1/	Total pig crop		December through May			June through November		
	Sows farrowed	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved
	Thousand	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand
1986	33	263	16	7.8	125	17	8.1	138
1987	30	242	15	8.2	123	15	7.9	119

1/ December 1 previous year through November 30 current year.

PIG CROP: Sows farrowed, pigs per litter, and pig crop, Arizona, quarterly 1988-90

Year 1/	Total		December-February			March-May			June-August			September-November		
	Sows farrowed	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	Thousand		Thousand	Number	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand
1988	27	214	6.0	8.3	50	8.0	7.9	63	7.0	8.1	57	6.0	7.3	44
1989	24	186	7.0	7.9	55	7.0	8.4	59	6.0	8.7	52	4.0	7.8	31
1990	24	196	6.0	8.3	50	6.0	8.2	49	6.0	8.2	49	6.0	8.0	48

1/ December 1 previous year through November current year.

HOGS AND PIGS: Production and income, Arizona, 1986-90

Year	Production 1/	Marketings 2/	Average price per cwt.	Value of production	Cash receipts 3/	Value of home consumption	Gross income
	1,000 lbs.		Dollars		1,000 dol.		
1986	59,942	60,565	54.70	32,728	33,129	298	33,427
1987	54,480	58,200	57.10	30,967	33,232	328	33,560
1988	48,923	50,345	46.90	22,534	23,612	225	23,837
1989	40,870	44,640	44.50	17,849	19,865	214	20,079
1990	37,560	36,150	54.60	20,353	19,738	273	20,011

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and any increase or decrease in live weight of inventory.

2/ Includes animals for slaughter markets, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.

3/ Receipts from marketings and sale of farm slaughter.

HOGS AND PIGS: Number on farms, Arizona, by counties, December 1, 1986-90

County and year	Hogs and pigs	County and year	Hogs and pigs	County and year	Hogs and pigs
	1,000 head		1,000 head		1,000 head
COCHISE		GRAHAM		MARICOPA	
1986	20	1986	24	1986	11
1987	19	1987	17	1987	12
1988	20	1988	18	1988	11
1989	10	1989	10	1989	11
1990	9	1990	9	1990	13
NAVAJO		PINAL		YUMA	
1986	85	1986	10	1986	1/
1987	71	1987	8	1987	1/
1988	71	1988	9	1988	1/
1989	62	1989	6	1989	1/
1990	70	1990	6	1990	1/
OTHER COUNTIES		ARIZONA			
1986	5	1986	155		
1987	3	1987	130		
1988	1	1988	130		
1989	1	1989	100		
1990	3	1990	110		

1/ Included in other counties to avoid disclosure of individual operations.

MEAT PRODUCTION

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1987-91

Year	Under Federal Inspection	Other 1/	Total
		Number	
1987	5	24	29
1988	5	23	28
1989	6	23	29
1990	5	20	25
1991	3	19	22

1/ Includes State inspected and custom-exempt plants.

RED MEAT PRODUCTION: Arizona, 1986-90 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 2/
							1,000 pounds						
1986	25,755	23,914	21,357	22,556	25,116	23,427	23,859	21,951	20,087	24,291	19,265	21,375	272,952
1987	21,652	18,238	21,233	23,598	21,294	24,495	23,643	19,731	20,143	20,870	19,722	23,597	258,215
1988	23,497	20,473	28,314	28,481	26,829	28,205	21,487	24,410	21,407	18,760	18,944	18,865	279,672
1989	21,080	16,853	20,051	19,115	22,628	21,746	19,498	19,267	17,490	19,999	20,989	20,595	239,311
1990	21,131	15,855	18,613	18,352	20,652	21,390	19,753	18,336	15,648	18,750	18,515	19,387	226,382

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter.
2/ Numbers may not add due to rounding.

COMMERCIAL CATTLE SLAUGHTER: Arizona, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1986	35,200	31,900	30,800	34,600	38,600	35,700	36,700	34,000	30,900	37,400	31,000	34,800	411,700
1987	34,700	29,300	33,700	37,400	33,400	38,800	37,600	31,400	30,700	31,700	31,300	36,800	406,800
1988	36,800	31,900	43,700	43,400	41,500	43,500	33,100	37,500	33,000	28,900	29,800	28,900	432,000
1989	32,500	26,000	30,300	28,500	34,200	33,200	29,700	29,900	26,500	30,500	31,900	31,200	364,500
1990	32,500	24,500	28,500	27,800	31,300	32,600	31,600	27,700	23,800	28,100	27,50	28,200	344,200
							1,000 Lbs. liveweight						
1986	36,776	33,644	32,477	36,531	40,819	37,745	38,445	35,562	32,646	39,212	31,421	34,965	430,241
1987	35,386	29,636	34,367	38,054	34,343	39,747	38,493	32,114	33,176	34,384	32,532	38,921	421,154
1988	38,299	33,525	45,832	45,958	43,389	45,905	34,805	39,646	34,559	30,270	31,021	30,540	453,747
1989	34,350	27,457	32,536	31,028	36,978	35,653	32,038	31,816	28,177	32,820	34,742	33,845	391,439
1990	34,885	25,788	30,231	29,486	32,732	33,818	31,137	28,507	24,210	29,079	28,930	30,191	358,994

1/ Numbers may not add due to rounding.

COMMERCIAL HOG SLAUGHTER: Arizona, 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1986	20,500	21,000	10,000	2,900	2,400	2,400	2,400	1,600	1,500	1,600	1,600	1,600	69,300
1987	1,100	1,000	1,300	1,400	1,100	1,200	1,100	1,000	1,200	1,200	1,200	1,100	13,900
1988	1,200	1,100	1,500	1,500	1,500	1,400	1,000	1,500	2,000	1,900	1,700	1,800	18,000
1989	1,900	1,200	1,700	1,800	1,700	1,000	900	1,100	1,100	1,200	1,100	1,200	15,900
1990	1,200	1,000	1,500	1,500	1,100	1,000	800	900	1,100	1,100	1,300	1,200	13,600
							1,000 lbs. liveweight						
1986	4,489	4,672	2,208	653	530	515	535	355	340	357	356	374	15,384
1987	255	211	289	306	257	258	226	223	274	264	273	270	3,105
1988	297	269	336	493	340	310	219	344	462	444	356	424	4,293
1989	406	269	392	425	396	251	216	227	261	282	263	260	3,647
1990	277	243	362	345	257	234	209	226	259	286	294	281	3,273

1/ Numbers may not add due to rounding.

COMMERCIAL SHEEP SLAUGHTER: Arizona 1986-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1986	100	100	300	300	100	100	100	100	300	200	100	100	1,800
1987	100	200	200	300	100	100	200	100	200	100	100	100	1,800
1988	100	100	200	300	100	100	100	100	100	100	0	100	1,400
1989	100	*	200	200	*	*	*	100	100	100	100	100	1,100
1990	100	200	200	300	*	*	*	100	200	100	100	100	1,500
							1,000 lbs. liveweight						
1986	9	12	28	38	10	7	16	14	25	19	8	8	195
1987	10	18	25	35	13	9	14	10	19	13	7	8	183
1988	14	11	28	34	13	9	9	9	16	10		8	164
1989	11		18	27				8	16	8	10	8	126
1990	11	16	26	33				12	18	12	11	8	168

* *Numbers not published to avoid disclosure of individual operations.*
1/ Numbers may not add due to rounding.

HONEY

Honey production in Arizona declined 8 percent in 1990, from 1989, reaching 3.2 million pounds. While yield per colony rose, the number of colonies producing honey dropped to 67 thousand from 78 thousand in 1989.

Prices for the 1990 honey crop averaged 50 cents per pound, a decrease of a nickel per pound from 1989. Arizona beekeepers realized a value of production for 1990's crop which had fallen to $1.6 million from $1.9 million the year before.

Estimates of honey production and colonies represent operations where honey was taken from colonies for sale or human consumption. Honey produced by beekeepers with fewer than 5 colonies is not included. Package bees and "pollinators only" are also not included as colonies unless some honey was removed for human consumption.

HONEY: Number of colonies, yield, production, and value, Arizona, 1986-1990 1/

Year	Number of colonies	Yield per colony	Production	Average price per pound	Value of production
	1,000	Pounds	1,000 lbs.	Cents	1,000 dol.
1986	77	50	3,850	52	2,002
1987	73	47	3,431	52	1,784
1988	73	49	3,577	49	1,753
1989	78	45	3,510	55	1,931
1990	67	48	3,216	50	1,608

1/ For producers with five or more hives.

POULTRY

The total number of chickens in Arizona on December 1, 1990 was estimated to be 270,000, a drop of 50,000 from the previous December's tally. Of the total count, 74 percent were hens 1 year and older, 22 percent were pullets of laying age.

The average number of layers for the year 1990 was 302,000. This is greater than the total number of birds in inventory on December 1, 1990 due to a reduction in layers during the second half of the year. In 1990, egg production fell by 6 million eggs from 79 million to 73 million eggs. Egg prices rose from 63 cents a dozen in 1989 to 67.5 cents in 1990.

CHICKENS ON FARMS: Inventory by class, Arizona, December 1, 1986-90 1/

Year	All chickens	Hens and pullets of laying age			Pullets 3 months and over and not of laying age	Pullets under three months	Other chickens	Value per head	Total value
		Hens one year and over	Pullets	Total					
		1,000 birds						Dollars	1,000 dol.
1986	528	315	165	480	21	11	16	2.25	1,188
1987	385	221	149	370	6	4	5	1.60	616
1988	310	200	100	300	3	1	6	1.60	496
1989	320	215	100	315	2	0	3	2.40	768
1990	270	200	60	260	3	3	4	2.60	702

1/ Does not include commercial broilers.

CHICKENS: Lost, sold, and value of sales, Arizona 1986-90 1/

Year	Number lost 2/	Number sold	Pounds sold	Price per pound	Value of sales
	1,000 birds		1,000 lbs.	Cents	1,000 dol.
1986	66	189	756	9.0	68
1987	54	403	1,612	10.0	161
1988	61	245	980	7.0	69
1989	19	149	596	8.0	48
1990	43	165	660	6.0	40

1/ December 1 previous year through November 30; excludes broilers.
2/ Includes death and other losses.

LAYERS: Quarterly inventory, Arizona 1986-90 1/

Year	Layers				
	December - February	March - May	June - August	September - November	Average number during year
			1,000 birds		
1986	409	475	502	485	468
1987	425	385	380	365	389
1988	358	328	308	303	324
1989	303	305	305	310	305
1990	315	315	303	275	302

1/ December 1 previous year through November 30 current year.

EGGS: Production and value, Arizona, 1986-90 1/

Year	Eggs Produced					Price per dozen	Value of production
	December - February	March - May	June- August	September - November	Annual total		
			Million			Cents	1,000 dol.
1986	27	32	32	30	121	53.0	5,344
1987	26	25	25	22	98	41.0	3,348
1988	22	23	22	19	86	43.0	3,082
1989	18	19	21	21	79	63.0	4,148
1990	20	21	17	15	73	67.5	4,106

1/ December 1 previous year through November 30 current year.

WEATHER

Rainfall amounts during 1990 averaged above normal. Fourteen of the eighteen stations, reporting both an annual and average amount of rainfall, reported above average. The four that reported below average rainfall were: Parker with .32 inch less than average, Yuma with .70 inch less than average, McNary with 1.5 inches less than average, and Winslow with 1.45 inches less than average. The stations with the largest rainfall surplus were Douglas and Willcox with 5.67 and 5.33 inches of rainfall above average respectively.

Rainfall statistics vary considerably within Arizona due to the diverse geographic regions and elevations. Yuma, with a long-term average of 2.65 inches, typically receives the lowest annual rainfall; while McNary, with an average of 27.24 inches, will usually receive the most precipitation of any reporting station. In 1990 this trend continued with Yuma reporting the lowest annual rainfall of 1.95 inches and the largest amount of rainfall was reported at McNary with 25.79 inches of annual rainfall.

The annual average temperature was above normal at most reporting stations. Phoenix showed the largest deviation from normal with an average temperature of 75.1 degrees, 3.9 degrees above normal. Yuma has the highest long-term average temperature at 73.9 degrees. Yuma also had the highest annual average temperature for 1990 at 75.4 degrees, 1.5 degrees above normal. Flagstaff had the lowest annual average temperature reported for 1990 at 46.4 degrees. Flagstaff also has the lowest long-term average temperature of 45.4 degrees.

Temperatures during January averaged below normal for the first part of the month. By mid month, temperatures were averaging above normal. January ended with above average temperatures and below normal rainfall. February brought cooler weather and ended with below normal temperatures and rainfall.

March brought a warming trend to the state that would continue for several months. March ended with above normal temperatures and below normal rainfall. April continued the warming trend with occasional relief due to rain showers. April ended with above normal temperatures and rainfall.

May and June continued the warming trend and brought record high temperatures to the state. Phoenix reached 101 degrees in May and 122 degrees in June with repeated readings above 110 degrees. Both months brought below normal rainfall.

Typical monsoons moved into the state in July and was in full force by mid month. Monsoons continued through August. Both July and August ended with below normal temperatures and above normal rainfall. The monsoons continued into September bringing above normal rainfall to the state. September also brought a warming trend that set new high temperature readings during the month. October and November continued with above normal temperatures that resulted in record highs being set throughout the state. October and November ended with above normal temperatures and below normal rainfall.

The warming trend continued into December with above normal temperature; however by mid month winter storms moved into the state bringing below record lows, rain, and snow to the state. December was a month with very sharp temperature contrasts. The first half of the month had above normal temperatures and the remainder was below normal.

1990 resulted in abnormal weather for Arizona with record breaking high temperatures, record breaking lows, and above normal rainfall throughout the year. The year came to a close with sunny skies and the beginning of a warming trend.

RESERVOIR STORAGE: Arizona, April 1, 1987-91

Basin or stream	Reservoir	Usable Capacity	Usable storage				
			1987	1988	1989	1990	1991
			Thousand acre feet				
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	157.0	65.2	74.2	65.9	49.4	104.8
Gila	San Carlos	935.0	782.3	526.9	390.9	55.7	448.9
Gila	Painted Rock Dam	2,492.0	0.0	0.0	0.0	0.0	1.3
Salt	Roosevelt, Apache, Canyon, and Saguaro	1,710.0	1,621.0	1,550.7	1,512.3	999.2	1,486.8
Verde	Bartlett and Horseshoe	310.0	293.6	261.8	134.0	15.6	269.2
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.0	553.0	557.7	563.7	582.1	607.8
Colorado	Lake Mohave	1,810.0	1,764.5	1,687.3	1,649.5	1,678.3	1,759.2
Colorado	Lake Mead	26,159.0	24,181.0	24,509.0	22,957.0	21,436.0	20,050.0
Colorado	Lake Powell	25,002.0	21,831.0	22,165.0	21,129.0	17,921.0	15,098.0
Little Colorado	Lyman Lake	30.0	30.6	25.2	28.0	1.4	0.0
Show Low Creek	Show Low Lake	5.1	5.1	4.5	4.9	0.8	5.1

SUMMARY: The surface water supply outlook for Arizona is very good. The extremely high streamflow during March has substantially increased the storage in the larger reservoirs of central Arizona and filled or partially filled many smaller reservoirs and stock ponds around the state. Forecasts call for above average runoff to continue during April-May. March precipitation was above average in all areas of the state. Water year moisture is now average or above average except across the Arizona Strip. The April 1 snowpack was near average to much above average in the snow zones of Arizona and western New Mexico.

SNOWPACK: Snowpacks in Arizona and western New Mexico continued to build as a series of storms crossed the region throughout March. Snow surveys were made on March 27-29. The Salt River basin snowpack was 193% of average; the Verde River basin, 242% and the San Francisco - upper Gila River basin, 167% of average. The snowpack along the southern headwaters of the Little Colorado River basin was 171% of normal. The Chuska Mountains snowpack was rated at 112% of average. The San Francisco Peaks had 104% of average snowpack and the Grand Canyon was up to 123%.

PRECIPITATION: March was credited with having seven storm systems move across Arizona. Most were fast moving but produced abundant precipitation. Snow levels were often below 2,000 feet. March precipitation was 243% of average over the upper Gila River basin; 216% over the Little Colorado River basin, 247% of average over the Salt River basin, and 255% of normal over the Verde River basin. Northwestern Arizona received 226% of average moisture and, in southern Arizona the San Pedro - Santa Cruz basin received 201% and Sulphur Springs Valley, 229% of average moisture as of April 1. Water year moisture since October 1 is above average over the state except northwestern Arizona, which is near average, and the Arizona Strip which is slightly below average.

RESERVOIRS: Reservoir storage within Arizona increased dramatically by April 1 in response to heavy runoff. Water releases were reported from Granite Reef, Lake Pleasant, and San Carlos in anticipation of future inflow. April 1 storage in the Salt River Project system was 1,756,000 acre feet at 87% of capacity. San Carlos was 48% full with 448,900 acre feet. Lake Pleasant held 104,800 acre feet, 67% full. Lyman reservoir dam repairs were completed but inflow has been small due to upstream diversions being made to fill other local lakes. Show Low Lake is up to useable capacity of 5,100 acre feet. The combined storage of Lakes Havasu, Mohave, Mead and Powell was 37,515,000 acre feet at 70% of capacity.

STREAMFLOW: March streamflow was much above the 25 year average. Preliminary data rated the Salt River flow at 431% of average, Tonto Creek at 427%, and the Verde River at 230%. The San Francisco River at Clifton ran 363% of average, and the Gila River flowed 359% of average at Head of Safford Valley. The Little Colorado River runoff was diverted into the Greer Lakes, Becker Lake, and other local reservoirs, therefore little flow reached Lyman reservoir. The forecast for April-May called for 180% of average flow on the Salt River, 142% on Tonto Creek, and 167% on the Verde River. San Francisco River forecasts are for 242% of average flow at Clifton and Gila River forecasts, 222% of average at Head of Safford Valley and 250% at Calva. The April-June flow of the Little Colorado is expected to run 178% of normal at Lyman Lake. April-July flow of the Colorado River into Lake Powell is forecast to be 77% of average.

Source: United States Department of Agriculture, Soil Conservation Service; Arizona Water Supply Outlook, April 1, 1991.

FREEZE DATES: Last 32° temperatures in spring and first in fall, Arizona, 1986-90

Year	Last in spring	First in fall	Last in spring	First in fall	Last in spring	First in fall
	AGUILA		BUCKEYE		CASA GRANDE	
1986	Feb. 21	M	Feb. 11	Dec. 11	Feb. 11	Dec. 11
1987	M	Nov. 27	Feb. 21	Dec. 14	Jan. 22	Dec. 14
1988	Mar. 15	Nov. 16	Mar. 13	Nov. 20	Mar. 12	Nov. 30
1989	Mar. 5	Nov. 30	Feb. 14	Nov. 28	Feb. 7	Dec. 12
1990	Mar. 14	Nov. 26	Feb. 22	Nov. 27	Mar. 14	Nov. 28
	CHANDLER HEIGHTS		DOUGLAS		FLAGSTAFF	
1986	Feb. 11	Dec. 11	[illegible]ar. 20	Nov. 9	May 19	Sept. 11
1987	Jan. 24	Nov. 26	[illegible]r. 5	Nov. 11	May 30	Sept. 14
1988	Mar. 15	Nov. 19	[illegible]y 2	Nov. 15	May 31	Sept. 13
1989	Feb. 14	Dec. 12	Mar. 22	Oct. 29	June 1	Sept. 15
1990	Mar. 15	Nov. 22	Mar. 17	Nov. 4	June 17	Sept. 29
	GILA BEND		GRAND CANYON		KINGMAN	
1986	1/	1/	May 18	Sept. 24	Mar. 18	Nov. 7
1987	Jan. 22	Dec. 27	May 29	Sept. 14	Apr. 5	Nov. 16
1988	Jan. 23	Nov. 21	May 31	Sept. 13	Mar. 29	Nov. 15
1989	Feb. 7	Nov. 28	May 31	Sept. 20	Mar. 5	Nov. 28
1990	Feb. 16	Dec. 18	June 16	Oct. 8	Mar. 15	Nov. 27
	MCNARY		PARKER		PAYSON	
1986	June 10	Sept. 11	Feb. 10	Dec. 11	May 9	Oct. 13
1987	June 18	Sept. 14	Jan. 17	Dec. 26	May 27	Nov. 11
1988	May 31	Sept. 23	Jan. 21	Dec. 28	May 31	Nov. 10
1989	May 15	Sept. 21	Feb. 7	Dec. 12	May 12	Oct. 26
1990	May 30	Oct. 9	Feb. 17	Dec. 18	May 3	Oct. 10
	PHOENIX		PRESCOTT		SAFFORD	
1986	1/	1/	May 7	Oct. 12	Feb. 23	Nov. 8
1987	Jan. 19	Dec. 25	Apr. 20	Nov. 10	Mar. 30	Nov. 13
1988	1/	Dec. 27	May 7	Nov. 15	Apr. 3	Nov. 16
1989	1/	1/	Apr. 27	Oct. 26	Mar. 5	Oct. 28
1990	Feb. 16	Dec. 23	May 2	Oct. 9	Mar. 16	Nov. 5
	TUCSON		WILLCOX		WINDOW ROCK	
1986	Feb. 11	Dec. 1	May 9	Nov. 6	May 19	Oct. 4
1987	Feb. 28	Nov. 26	Apr. 14	Nov. 7	May 27	Oct. 16
1988	Mar. 13	Nov. 19	May 7	Nov. 13	May 31	Oct. 31
1989	Mar. 5	Nov. 28	Apr. 28	Oct. 27	May 13	Oct. 18
1990	Mar. 15	Nov. 28	Mar. 30	Oct. 22	Apr. 27	Oct. 9
	WINSLOW		YUMA			
1986	Apr. 27	Oct. 13	1/	1/		
1987	Apr. 20	Nov. 9	Jan. 18	Dec. 26		
1988	May 2	Nov. 12	1/	Dec. 28		
1989	Apr. 27	Oct. 18	1/	1/		
1990	Apr. 3	Oct. 9	Feb. 16	Dec. 23		

1/ No low temperature of 32° or less.

M- Missing

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data.

MEAN MONTHLY TEMPERATURE: Arizona, 1990 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
							Degrees fahrenheit						
Aguila	47.4	47.9	57.7	65.4	70.5	83.1	85.9	82.6	79.1	68.1	56.1	44.2	65.7
Buckeye	51.8	54.2	63.7	71.7	75.8	87.7	90.8	87.5	83.4	73.1	61.2	49.1	70.8
	51.2	55.6	60.2	67.2	75.8	85.0	92.0	89.6	83.5	72.0	59.2	51.9	70.3
Casa Grande	51.1	52.7	62.5	71.2	76.5	89.3	90.2	86.2	84.0	M	M	49.4	2/ 71.3
	51.1	55.1	59.9	67.1	75.9	85.4	91.4	88.8	83.2	72.2	59.3	51.8	70.1
Chandler Heights 3/	51.4	53.7	63.2	71.5	76.0	88.3	88.7	86.5	83.0	72.7	61.4	49.1	70.5
Douglas	44.2	46.0	54.8	63.0	68.5	81.8	77.6	74.0	73.3	63.4	54.0	45.2	62.2
	44.9	47.6	52.5	59.7	67.5	76.9	79.1	76.9	73.1	63.3	51.9	45.3	61.6
Flagstaff	28.6	29.3	38.3	46.1	50.3	64.4	66.9	62.6	59.8	48.9	37.6	25.1	46.5
	28.2	30.7	34.5	41.6	49.9	59.2	66.1	63.8	57.5	47.2	36.3	29.8	45.4
Gila Bend	53.3	55.9	65.8	73.8	78.5	90.4	93.2	90.6	87.1	76.0	64.2	52.0	73.4
	53.0	57.1	61.8	69.2	78.2	87.3	94.0	91.8	86.4	74.8	61.8	53.9	72.4
Grand Canyon 3/	28.2	29.7	39.3	46.6	51.7	64.4	66.9	64.1	60.7	49.4	38.0	24.7	47.0
Kingman	42.4	42.4	53.6	60.2	65.9	78.7	81.2	78.6	74.6	65.7	51.9	M	4/ 63.2
	43.2	47.0	50.5	57.6	66.5	76.2	82.9	80.8	74.8	64.2	51.8	44.3	61.7
McNary	29.1	29.4	38.0	45.8	51.3	65.8	64.5	61.5	58.9	49.2	39.0	28.4	46.7
	30.7	32.7	36.6	43.9	51.6	60.5	65.2	63.1	58.5	49.7	39.0	32.7	47.0
Parker	53.5	55.5	65.5	72.4	78.4	88.5	91.8	89.6	86.1	76.2	64.6	50.3	72.7
	52.7	57.7	62.7	70.0	78.7	87.8	94.4	92.6	86.5	74.8	61.3	53.2	72.7
Payson	38.6	39.1	47.5	55.6	59.1	72.1	74.5	70.7	69.0	58.3	47.4	35.8	55.6
	38.6	41.5	45.0	51.6	59.7	69.1	75.5	72.8	67.1	57.3	46.1	39.4	55.3
Phoenix	55.6	56.6	67.2	76.2	81.1	93.8	93.6	90.8	87.6	78.7	65.9	53.6	75.1
	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3	71.2
Prescott	35.4	37.0	45.8	53.7	58.1	71.5	73.6	70.2	66.8	44.4	44.4	31.8	52.7
	36.2	39.2	42.8	49.4	57.2	66.8	73.1	70.4	65.1	55.0	44.0	37.2	53.0
Safford	42.6	46.4	56.5	65.3	70.1	83.0	81.3	78.3	76.8	64.1	53.9	42.5	63.4
	43.7	47.5	52.9	60.5	68.8	78.5	82.9	80.4	74.9	64.3	51.8	44.2	62.5
Tucson	51.8	52.8	61.8	69.7	75.2	88.7	85.0	82.6	82.2	73.1	61.6	51.1	69.6
	51.1	53.8	57.8	65.0	73.2	82.9	86.2	84.0	80.4	70.4	58.7	52.0	68.0
Willcox	43.1	45.1	53.6	61.0	66.4	80.1	78.9	74.8	73.2	60.9	51.6	42.3	60.9
	42.1	45.0	49.8	56.6	64.5	74.1	79.3	76.7	71.3	60.5	48.9	42.3	59.3
Window Rock	31.0	32.3	42.9	51.2	56.8	69.9	70.3	67.0	62.9	52.1	38.4	24.1	49.9
	27.4	31.6	36.8	44.5	53.4	63.7	69.8	67.1	60.0	49.6	37.3	29.1	47.5
Winslow	34.4	37.8	47.7	55.1	60.6	75.9	70.3	72.0	67.6	54.5	41.9	26.4	53.7
	32.0	38.4	44.9	53.0	62.2	72.3	78.8	76.1	69.0	56.6	42.9	32.7	54.9
Yuma	56.6	58.3	68.0	74.7	79.2	91.2	95.7	93.0	89.6	78.3	65.8	53.9	75.4
	55.9	60.0	64.2	70.7	78.3	87.2	93.6	92.4	87.3	76.4	63.8	56.5	73.9

1/ Top row 1990, bottom row long-term average.
2/ Average temperature for 10 months.
3/ Long-term average not available.
4/ Average temperature for 11 months.
M- Missing
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1990 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							Inches						
Aguila 2/	1.56	.26	.50	.28	.17	.09	3.19	1.30	2.31	.00	.00	.00	9.66
Buckeye	.81	.12	.36	T	.19	.09	2.13	2.15	2.81	.50	.12	.20	9.48
	.80	.68	.74	.23	.08	.07	.62	1.23	.70	.60	.47	.73	6.95
Casa Grande	1.17	.72	.19	.04	.20	.10	1.40	4.21	1.86	M	M	.60	3/ 10.49
	.81	.66	.85	.29	.11	.20	.90	1.80	.61	.78	.66	.91	8.58
Chandler Heights	.54	2.11	.60	.67	.02	.25	1.18	1.83	1.53	.04	.84	1.79	11.40
	.92	.76	1.02	.28	.14	.06	.83	1.22	.67	.80	.70	.95	8.35
Douglas	.60	.47	.16	.10	.25	.28	5.33	3.23	3.45	.87	1.72	1.37	17.83
	.74	.47	.48	.16	.16	.41	3.51	3.03	1.15	.84	.45	.76	12.16
Flagstaff	1.54	3.20	2.17	2.32	.73	.24	4.32	1.71	6.18	.49	1.09	1.68	25.67
	2.10	1.95	2.13	1.35	.75	.57	2.47	2.62	1.47	1.54	1.65	2.26	20.86
Gila Bend	.75	.85	.13	T	.20	.05	1.19	.32	1.58	.10	.01	1.62	6.80
	.67	.49	.61	.22	.10	.06	.69	1.01	.46	.48	.40	.63	5.82
Grand Canyon 2/	1.46	2.48	1.04	2.28	.43	.22	1.00	2.33	3.16	.51	1.09	1.57	17.57
Kingman	.38	.86	1.01	.69	1.86	.42	3.96	1.04	2.00	.47	.52	M	4/ 13.21
	1.11	.96	1.11	.63	.24	.24	.98	1.36	.75	.67	.71	.89	9.65
McNary	1.00	2.19	1.46	1.06	.60	.05	3.81	3.37	3.82	.65	2.86	4.92	25.79
	2.92	2.04	3.08	1.32	.74	.79	3.51	3.78	1.97	2.37	1.99	2.73	27.24
Parker	1.26	.20	.25	.15	.04	.08	.60	.66	.31	.01	.20	T	3.76
	.60	.43	.47	.17	.05	.02	.26	.49	.40	.38	.35	.46	4.08
Payson	1.19	1.82	2.03	1.18	.65	.18	6.77	2.76	2.48	.23	1.18	2.55	23.02
	2.15	1.85	2.12	1.07	.52	.44	2.81	3.16	1.76	1.85	1.53	2.02	21.28
Phoenix	.80	.70	.35	.17	.16	.04	1.05	2.70	1.11	.04	.15	.46	7.73
	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
Prescott	1.93	1.56	1.67	2.52	.69	.16	3.78	2.12	3.76	.84	.70	.44	20.17
	1.72	1.51	1.53	.76	.50	.53	3.15	3.45	1.49	1.22	1.33	1.65	18.84
Safford	.32	.47	.90	.11	.07	.64	1.96	1.37	2.24	.72	.79	1.44	11.03
	.63	.55	.56	.18	.12	.24	1.76	1.55	.99	.86	.40	.76	8.60
Tucson	.96	.71	.38	.10	.03	.64	5.45	2.70	1.63	.58	.23	1.54	14.95
	.83	.63	.68	.32	.14	.22	2.42	2.13	1.33	.88	.62	.94	11.14
Willcox	.47	.91	.39	.35	.10	.84	3.66	5.20	1.39	1.28	1.36	.90	16.85
	.86	.62	.62	.24	.15	.39	2.74	2.60	1.12	.77	.44	.97	11.52
Window Rock	.49	.65	.51	.44	.93	.04	2.86	2.12	1.77	.78	1.37	.61	12.57
	.77	.67	.84	.54	.45	.42	1.66	2.17	1.14	1.26	.71	.88	11.51
Winslow	.11	.68	.25	.16	.15	.02	1.64	.48	.88	.19	.97	.31	5.84
	.43	.46	.51	.32	.30	.35	1.14	1.41	.83	.90	.41	.58	7.64
Yuma	.18	T	.08	T	T	T	.66	.07	T	.95	T	.01	1.95
	.38	.26	.18	.13	.04	.01	.15	.42	.25	.29	.20	.34	2.65

1/ Top row 1990, bottom row long-term average.
2/ Long-term average not available.
3/ Total precipitation for 10 months.
4/ Total precipitation for 11 months.
M- Missing
T- Trace
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

FARM LABOR

The farm employment and wage rate estimates are for the week that includes the 12th of the month. This corresponds to the week specified in general employment and wage series of other Government agencies.

Self-employed workers are defined as the operator and others who work on the farm without pay, but share in the returns from the farm. This concept was adopted in 1982 to provide data users with an agricultural series analogous with other industrial series. With the adoption of the self-employed category, all active partners working on the farm are counted as self-employed, whereas prior to 1982 only one was counted as the operator and the others were listed in the unpaid family category. Self-employed workers are counted if they work at least 1 hour during the survey week. Unpaid workers must work at least 15 hours or more to be counted.

Hired workers include both family members and other workers who are paid by the farm or ranch operator for working on agricultural jobs for 1 hour or more during the survey week. Workers paid by a crew leader or agricultural service firm hired by the farm or ranch operator to perform specific tasks are not included in the number of hired workers or wage rate statistics. A separate tabulation of these agricultural service workers is maintained only for the Nation, California, and Florida.

FARM WAGE RATES: Mountain III Region, by survey week, January 1986-April 1991 1/

Survey week and year	All hired workers	Type of work					Method of pay		
		Field	Livestock	Combined field and livestock	Super-visory	Other	Hourly	Piece rate	Other
	Dollars per hour								
1986									
January 12-18	4.94	4.41	4.64	4.51	7.19	5.21	4.55	5.22	5.68
April 6-12	4.93	4.73	4.29	4.59	6.89	5.10	4.52	6.15	5.72
July 6-12	4.51	3.99	4.01	3.99	6.81	5.04	4.28	2/	5.19
October 12-18	5.10	5.00	4.08	4.68	6.81	5.33	4.79	2/	5.92
1987									
January 11-17	4.86	4.30	4.51	4.40	7.37	5.05	4.46	2/	5.97
April 12-18	4.86	4.50	4.29	4.45	7.37	7.88	4.36	2/	5.53
July 12-18	4.34	4.07	4.09	4.07	6.56	4/	4.13	2/	4.90
October 11-17	4.85	4.51	4.11	4.36	7.52	4/	4.51	6.32	5.20
1988									
January 10-16	5.12	4.54	4.53	4.54	7.53	7.10	5.25	6.50	4.53
April 10-16	5.13	4.92	4.59	4.79	7.97	4/	5.02	5.85	4.97
July 10-16	4.78	4.18	4.63	4.33	7.07	6.33	4.48	2/	5.31
October 9-15	5.10	4.76	4.78	4.77	7.39	4/	4.90	2/	5.62
1989									
January 8-14	5.04	4.68	4.57	4.64	6.47	6.78	4.77	2/	5.42
April 9-15	5.33	4.82	5.03	4.90	7.44	7.19	4.63	2/	6.71
July 9-15	4.94	4.13	4.63	4.29	8.40	6.87	4.52	2/	5.69
October 8-14	5.32	4.82	4.54	4.70	8.88	7.52	4.80	2/	5.99
1990									
January 7-13	5.51	4.96	5.20	5.04	8.92	7.87	4.99	2/	6.15
April 8-14	5.23	4.74	4.88	4.81	7.75	6.61	4.85	5.85	5.68
July 8-14	5.13	4.51	5.16	4.71	7.94	2/	4.79	2/	5.96
October 7-13	5.45	5.04	4.90	4.98	7.64	6.72	5.24	2/	5.74
1991									
January 6-12	5.77	5.09	5.15	5.12	8.31	2/	5.21	2/	6.38
April 7-13	5.33	4.98	5.11	5.03	7.74	2/	4.95	2/	5.94

1/ Mountain III region inclues Arizona and New Mexico. Excludes agricultural service workers.
2/ Insufficient data.

FARM LABOR: Arizona, Mountain III Region, by survey week, January 1986-April 1991 1/

Survey week and year	Number of workers							Hours worked per worker		
	Hired			Other			Total All			
	150 days or more	149 days or less	Total	Self-employed	Unpaid	Total		Self-employed	Unpaid	Hired
	Thousands							Hours		
1986										
January 12-18	16	2	18	11	18	29	47	38.5	32.3	45.6
April 6-12	14	4	18	10	16	26	44	36.4	34.5	46.5
July 6-12	12	5	17	10	22	32	49	40.7	29.5	48.5
October 12-18	11	3	14	10	22	32	46	38.3	40.4	48.2
1987										
January 11-17	15	2	17	10	21	31	48	39.6	36.2	44.6
April 12-18	19	4	23	10	22	32	55	44.6	40.2	46.8
July 12-18	17	5	22	10	23	33	55	48.4	43.8	54.3
October 11-17	14	2	16	10	24	34	50	43.8	34.7	44.0
1988										
January 10-16	15	2	17	12	22	34	51	38.0	37.3	47.0
April 10-16	15	5	20	12	22	34	54	39.0	34.7	46.7
July 10-16	14	3	17	13	23	36	53	37.7	37.0	51.0
October 9-15	15	3	18	12	25	37	55	33.5	32.9	43.3
1989										
January 8-14	12	1	13	11	22	33	46	27.0	35.1	46.9
April 9-15	13	2	15	12	23	35	50	28.8	30.2	48.6
July 9-15	15	3	18	11	24	35	53	46.6	44.6	52.9
October 8-14	15	3	18	11	24	35	53	43.5	39.5	48.7
1990										
January 7-13	12	2	14	11	24	35	49	33.7	29.3	46.4
April 8-14	14	2	16	11	23	34	50	36.0	32.3	50.8
July 8-14	16	3	19	10	25	35	54	41.6	36.1	48.7
October 7-13	15	2	17	11	26	37	54	38.5	38.6	49.4
1991										
January 6-12	11	2	13	12	25	37	50	28.3	36.6	46.4
April 7-13	13	3	16	10	25	35	51	31.1	25.8	45.2

1/ Mountain III region includes Arizona and New Mexico. Excludes agricultural service workers.

INTERNATIONAL TRADE

It is not possible under present methods of statistical measurement to determine what amount of Arizona's production is actually sold abroad. No reliable system of reporting this information has yet been designed, and no official series exists. If such figures were available they would be of little use to farm analysts and producers unless they bore some regular relationship to the state's annual agricultural production.

The alternative that is usually taken is to impute to each state a share of U.S. exports proportional to its share of total U.S. production. The export values appearing in the following table were calculated in this manner for the years 1985-86 through 1989-90. The ratio of Arizona production to U.S. production for each commodity listed was multipled by the value of U.S. exports of that commodity. The same procedure can also yield an export value share for the southwest states takentogether. While in certain cases the actual export value can be found to differ from the imputed export share, the defenseof the calculation rests on the principle that supplies of a given commodity from one state or another are essentially interchangeable in domestic and foreign markets.

To make the apportionment of exports to states more realistic, data for certain groups such as feed grains were limited to states that account for 90 percent of the output. It was also assumed that a state would share in exports only if it had an apparent surplus. The latter involves computing grain-consuming animal units and the amount of grain needed to sustain those number.

For a detailed analysis see, Arizona and the U.S. Foreign Trade in Agricultural Commodities, by Robert Rothenberg and Jimmye S. Hillman, University of Arizona, College of Agriculture, July 1983.

AGRICULTURAL EXPORTS: Arizona's equivalent share of value, by commodity group, fiscal years 1985/86-1989/90 1/

COMMODITY GROUP	1985/86	1986/87	1987/88	1988/89	1989/90
			Million dollars		
Wheat and products	15.8	19.7	21.6	21.9	15.4
Cotton, including linters	53.4	121.0	152.6	147.8	251.1
Cottonseed and products	8.4	4.6	7.8	7.6	8.5
Fruits and preparations	45.6	39.3	38.0	41.7	59.6
Vegetables and preparations	15.0	15.2	21.9	23.7	34.5
Live animals and meat (excludes poultry)	11.6	14.0	19.2	26.2	22.8
Hides and skins	14.3	15.8	18.6	19.4	18.0
Fats, oils, and greases	5.2	4.4	5.9	6.2	4.7
Dairy products	3.4	4.2	4.9	4.4	3.4
Other	7.9	11.4	13.2	18.0	31.0
ARIZONA	180.5	249.6	303.8	316.9	449.3
UNITED STATES	26,312.0	27,876.2	35,378.7	39,637.1	40,181.8

1/ Fiscal years October 1-September 30.

Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

VALUE OF U.S. FOREIGN TRADE AND TRADE BALANCE: Agricultural and nonagricultural, 1985/86-1989/90 1/

Year	Agricultural	Nonagricultural	Total	Agricultural percent of total
		Million dollars		Percent
U.S. EXPORTS 2/				
1985/86	26,307	176,631	202,938	13
1986/87	27,876	202,911	230,787	12
1987/88	35,379	258,593	293,972	12
1988/89	39,637	301,222	340,859	12
1989/90	40,182	325,928	366,110	11
U.S. IMPORTS 3/				
1985/86	20,875	342,855	363,730	6
1986/87	20,650	367,374	388,024	5
1987/88	21,014	409,138	430,152	5
1988/89	21,477	441,074	462,551	5
1989/90	22,514	458,147	480,661	5
TRADE BALANCE				
1985/86	5,432	-166,224	-160,792	
1986/87	7,226	-164,463	-157,237	
1987/88	14,365	-150,545	-136,180	
1988/89	18,160	-139,852	-121,692	
1989/90	17,668	-132,219	-114,551	

1/ Fiscal years October 1-September 30.

2/ Domestic exports, including Defense Department Grant-Aid.

3/ Imports for consumption, customs value basis.

Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1989/90 and 1990/91 1/

Region	Supply			Use		Ending stocks
	Beginning stocks	Production	Imports	Domestic	Exports	
			Million 480 pound bales			
			1989-90			
World	32.12	80.09	24.70	87.13	23.92	25.61
United States	7.09	12.20	2/	8.76	7.69	3.00
Total foreign	25.03	67.90	24.70	78.37	16.23	22.61
Major exporters 3/	10.77	43.67	3.03	39.65	8.43	9.21
China	5.97	17.40	1.87	20.50	.86	3.88
Pakistan	.72	6.68	2/	4.80	1.37	1.16
USSR	1.84	12.34	.35	9.20	3.33	1.99
Major importers 4/	5.24	1.54	15.70	16.87	.96	4.56
Japan	.80	.00	3.17	3.23	.00	.73
			1990-91 (Estimated)			
World	25.61	86.72	24.16	86.09	23.80	26.38
United States	3.00	15.50	2/	8.50	7.90	2.20
Total foreign	22.61	71.22	24.16	77.59	15.90	24.18
Major exporters 3/	9.21	47.65	3.00	39.88	7.82	12.02
China	3.88	20.50	1.90	20.50	.90	4.88
Pakistan	1.16	7.50	2/	5.70	1.25	1.73
USSR	1.99	12.00	.35	8.70	2.50	3.14
Major importers 4/	4.56	1.55	14.53	15.34	1.07	4.17
Japan	.73	.00	2.75	2.90	.00	.58

1/ Marketing year beginning August 1. Totals may not add and trade and stocks may not balance due to rounding, a small quantity destroyed, and other factors.

2/ Less than 5,000 bales.

3/ Australia, China, Central America, Egypt, Mexico, Pakistan, Sudan, Turkey, and the USSR.

4/ Europe, Japan, Hong Kong, Republic of Korea, and Taiwan.

Source: United States Department of Agriculture, Economic Research Service, Foreign Agricultural Service, World Agricultural Supply and Demand Estimates.

OTHER STATISTICS

AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1990

County	Parcels	Acres	Reported value 1/
	Number		1,000 dol.
Cochise	2	5,929	148
Coconino	2	45,967	170
Gila	24	5,928	954
Graham	1	87	35
Maricopa	103	95,434	253,103
Navajo	1	640	3
Pima	13	101,951	27,978
Pinal	13	43,658	22,358
Santa Cruz	6	7,757	5,355
Yavapai	4	21,119	2,398
Yuma	12	1,057	1,764
Total	181	329,527	314,266

1/ Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition.

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1990; County Level Data.

AGRICULTURAL LANDHOLDINGS BY COUNTRY OF FOREIGN OWNER: Arizona, by county, December 31, 1990

County	Canada	Germany	Netherlands	Netherlands Antilles	United Kingdom	All others
			Acres			
Cochise	5,612	0	0	0	0	317
Coconino	320	0	0	0	0	45,647
Gila	5,928	0	0	0	0	0
Graham	87	0	0	0	0	0
Maricopa	6,905	1,110	1,284	54	354	85,727
Navajo	640	0	0	0	0	0
Pima	300	0	90,178	5,314	0	6,159
Pinal	9,721	620	0	0	0	33,317
Santa Cruz	560	7,197	0	0	0	0
Yavapai	113	0	0	0	0	21,006
Yuma	5	0	200	0	0	852
Total	30,191	8,927	91,662	5,368	354	193,025

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1990; County Level Data.

USE OF AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1990

County	Cropland	Pasture	Forest	Other agriculture	Other non-agriculture	Total
			Acres			
Cochise	0	5,929	0	0	0	5,929
Coconino	0	320	0	45,647	0	45,967
Gila	0	5,915	13	0	0	5,928
Graham	40	47	0	0	0	87
Maricopa	55,636	8,568	0	4,594	26,636	95,434
Navajo	0	640	0	0	0	640
Pima	764	100,180	0	43	964	101,951
Pinal	3,846	31,608	441	5,616	2,147	43,658
Santa Cruz	0	7,757	0	0	0	7,757
Yavapai	720	20,399	0	0	0	21,119
Yuma	975	0	0	55	27	1,057
Total	61,981	181,363	454	55,955	29,774	329,527

Source; United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1990; County Level Data.

UPLAND COTTON OBJECTIVE YIELD FORECASTING PROGRAM

The upland cotton yield forecasting program of the Arizona Agricultural Statistics Service includes both regular interviews with farmers, and objective measurements from samples in randomly selected fields.

During the yield forecasting season (August 1 to harvest), trained enumerators make monthly visits to randomly selected fields across the State. Row spacing measurements, plant counts, fruit counts, and other pertinent information affecting crop yields are recorded. The grower is interviewed to obtain information about acreage, seeding rates, fertilizer applied, and other information about the fields where objective counts are to be conducted. A State yield is generated from the different models used to forecast total bolls expected, average boll weight, and harvesting loss.

The number of samples varies from year to year as a result of changes in program size, grower refusals, or sometimes losses because of abandonment. Samples are also visited after the crop is harvested to obtain measurement of harvesting loss and other information affecting production.

The sample data published below were edited to eliminate nonrepresentative reports but still contain some sampling fluctuation. They are not official Agricultural Statistics Board estimates, but provide indications and trends in cropping practices.

FERTILIZER USED ON UPLAND COTTON ACREAGE HARVESTED: Arizona, 1986-90

Year	Fields in survey	Acres receiving				Rate per acre receiving 1/			Acres fertilized 2/		
		Any fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or before seeding only	After seeding only	At or before and after seeding
	Number	Percent				Pounds			Percent		
1986	97	93	93	39	7	122	47	12	16	56	28
1987	84	95	95	39	5	159	70	21	16	56	28
1988	90	91	90	58	7	144	59	14	21	30	49
1989	91	95	95	51	3	178	64	3/	11	45	44
1990	79	94	94	47	8	155	68	21	11	59	30

1/ To convert phosphoric oxide (P_2O_5) to elemental phosphorus (P), the quantity of P_2O_5 should be multiplied by 0.43642. To convert potassium oxide (K_2O) to elemental potassium (K) multiply by 0.83016.

2/ Percentages apply to acres receiving fertilizer, not to total acres harvested.

3/ Insufficient data.

Source: United States Department of Agriculture, Economic Research Service; Agricultural Resources, Inputs, Situation and Outlook Report.

UPLAND COTTON SAMPLES: Percent distribution by row spacing, average row width, seeding rate, and plant population, Arizona 1986-90

Year	Cotton samples	Row spacing (inches) 1/				Average row width	Seeding rate per acre 2/	Plants per acre
		36.5 and less	36.6-38.5	38.6-40.5	40.6 and greater			
	Number	Percent				Inches	Pounds	Number
1986	99	6	48	42	4	38.5	19.2	44,074
1987	85	6	35	54	5	38.9	19.1	46,008
1988	95	12	43	37	8	38.3	20.8	42,802
1989	103	16	34	38	12	38.2	20.4	42,090
1990	104	10	43	37	10	38.4	23.1	44,656

1/ Measurement across 8 row spaces in each sample field.

2/ Acid delinted basis.

UPLAND COTTON SAMPLE COUNTS: Bolls produced, weight, lint loss, and yield per acre, Arizona, 1986-90

Year	Final count of large bolls produced per ten feet of row 1/	Adjusted average weight per boll		Unopened bolls not harvested per ten feet of row 1/		Lint loss per acre after all harvest complete	Final adopted yield per acre
		Seed cotton 2/	Lint	Bolls	Lint equivalent per acre		
	Number	Grams	Grams	Number	Pounds	Pounds	Pounds
1986	312	4.09	1.57	7	32.4	90	1,301
1987	323	4.18	1.62	8	36.6	142	1,410
1988	294	3.94	1.54	2	10.3	98	1,190
1989	308	4.08	1.58	3	16.1	86	1,303
1990	292	3.96	1.54	4	19.6	115	1,110

1/ A "large" boll is one inch or greater in diameter, opened or unopened. Counts are actually made on 46 feet of row in each sample field.

2/ Seed cotton adjusted to 5 percent moisture; 453.6 grams equal one pound.

UPLAND COTTON GINNING CHARGES, HARVESTING PRACTICES, AND SELECTED MARKETING COSTS: Arizona, 1985/86-1989/90

Item	Unit	1985/86	1986/87	1987/88	1988/89	1989/90
BALES GINNED 1/ (running bales)	Thousands	863	632	796	808	619
ACTIVE GINS	Number	91	85	84	89	89
WRAPPING AND GINNING CHARGES:						
Total charge per 480-lb. net weight bale 2/	Dollars	40.70	40.33	40.31	41.04	42.15
METHOD OF HARVESTING:						
Machine-picked	Percent	97	93	96	96	96
Machine-stripped	Percent	3/	3	0	0	0
Machine-scrapped	Percent	3	4	4	4	4
WEIGHT OF SEED COTTON PER 480-LB. NET WEIGHT BALE:						
Machine-picked	Pounds	1,515	1,480	1,460	1,492	1,501
Machine-scrapped	Pounds	1,823	1,829	1,952	1,824	1,946
COTTON GINNED FROM:						
Trailers	Percent	39	35	29	30	23
Modules	Percent	61	65	71	70	77
CHARGES FOR WAREHOUSING AND RELATED SERVICES 4/:						
Charge per bale per month for insured storage	Dollars	1.90	2.02	2.05	1.94	1.97
Charge per bale for compressing to universal density	Dollars	5.80	5.75	5.75	5.75	5.75
Charge per bale for outhandling	Dollars	4.20	4.46	4.35	4.82	4.82

1/ Excludes all American-Pima and upland cotton ginned on roller gins.

2/ Includes bagging and ties, drying of seed cotton, lint cleaning, and insurance, but does not reflect any patronage dividends, rebates, transportation to warehouses, industry organization dues, or cotton classing fees.

3/ Less than 0.5 percent.

4/ Based on published tariffs.

Source: United States Department of Agriculture, Economic Research Service, National Economics Division; Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs.

UPLAND COTTON: Estimated percentage planted to specified varieties; Arizona, by counties 1990 and crop year, 1988-90

Variety	County							Crop year		
	Cochise	Graham and Greenlee	Maricopa	Pima	Pinal	Mohave and La Paz	Yuma	1988	1989	1990
	Percent							Percent		
Acala 1517 E-2	12.5							.5	.9	.5
Acala 1517-SR2	15.1								1.0	.7
Acala 1517-75	4.8	13.1						1.2	.9	.6
Acala 1517-88	17.4								1.2	.8
Acala BR-110								1.7		
Cascot C-13								.8		
Cascot L-7								.8		
Del Cerro	6.2								.7	
Deltapine Acala 90	24.3	71.3	53.8	20.6	67.4	62.2	5.4	57.9	54.9	52.2
Deltapine 20			2.2	47.6	2.4	6.8	.9	2.0	4.3	4.0
Deltapine 41			*		2.7			2.0	2.2	1.0
Deltapine 50			*		1.9	7.8	54.6	3.2	2.4	6.1
Deltapine 51			.8		4.8		3.4		*	2.1
Deltapine 61			5.0		*	2.0	25.0	5.5	4.7	4.6
Deltapine 77			32.8	1.3	15.1	16.4	6.0	16.5	21.3	20.7
Deltapine 120			*		*			1.8		
DES 119		11.1		23.4		2.5	2.3	1.1	2.0	1.5
Paymaster HS-26	13.7									.6
Stoneville 506								1.3	*	*
Stoneville 825			.9		2.2				*	1.1
Summit C40						1.5	.6			*
Sun Valley SV 13								.6		
Sun Valley SV 46					2.1					.6
Sun Valley SV 93								1.3		
Suregrow S1001			1.7							.8
All Other	5.7	4.5	1.4	7.2	.6	.9	1.8	1.8	2.9	2.1

* *Less than 0.5 percent.*

Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

ALL COTTON: Domestic mill consumption, stocks, and exports, United States, 1985/86-1990/91

Season	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season totals 1/
						1,000 running bales							
						Mill consumption 2/							
1985/86	458	562*	493	477	486*	595*	499	492	620*	503	489	522*	6,198
1986/87	534	523	683*	529	576*	546	562	734*	573	586	708*	540	7,096
1987/88	606	753*	621	606	610*	568	590	738*	556	551	662*	433	7,294
1988/89	577	693*	552	523	572*	568	584	751*	623	645	798*	559	7,444
1989/90	663	829*	665	617	653*	605	633	794*	624	641	826*	559	8,109
1990/91 3/	680	835*	671	610	601*								
						Mill consumption per day							
1985/86	22.9	22.5	24.6	23.9	19.5	23.8	24.9	24.6	24.8	25.2	24.4	20.9	23.4
1986/87	26.7	26.2	27.3	26.5	23.1	27.3	28.1	29.4	28.7	29.3	28.3	27.0	27.3
1987/88	30.3	30.1	31.0	30.3	24.4	28.4	29.5	29.5	27.8	27.6	26.5	21.7	28.1
1988/89	28.8	27.7	27.6	26.1	22.9	28.3	29.2	30.0	31.2	32.2	31.9	27.9	28.6
1989/90	33.2	33.1	33.2	30.8	26.1	30.2	31.6	31.8	31.2	32.1	33.0	28.0	31.2
1990/91 3/	34.2	33.4	33.6	30.5	24.0								
						Stocks in consuming establishments 4/							
1985/86	685	621	557	570	604	687	728	776	789	782	788	775	--
1986/87	664	582	563	578	620	640	705	702	723	709	674	680	--
1987/88	648	579	530	542	637	722	777	786	790	756	719	709	--
1988/89	651	581	568	555	571	588	631	612	627	645	603	606	--
1989/90	600	590	552	544	584	661	689	696	685	675	667	672	--
1990/91 3/	619	531	519	514	581								
						Stocks in public storage 4/							
1985/86	2,826	3,743	6,122	8,963	10,677	10,747	10,243	9,656	9,072	8,449	7,980	8,116	--
1986/87	7,625	7,996	9,543	10,148	10,204	10,015	9,058	7,878	6,871	5,870	4,821	3,817	--
1987/88	3,239	4,864	7,398	9,456	10,582	10,216	9,149	7,972	6,965	5,973	5,072	4,645	--
1988/89	4,432	5,017	8,259	11,722	13,481	13,109	12,048	10,607	9,362	8,170	6,771	5,929	--
1989/90	4,975	4,458	7,378	10,558	10,762	9,524	8,052	6,566	5,447	4,224	3,185	2,187	--
1990/91 3/	1,615	2,451	6,126	8,930	9,875								
						Exports 4/							
1985/86	166	218	180	198	236	189	202	206	125	69	68	19	1,875
1986/87	374	496	489	525	664	591	518	750	500	465	554	439	6,366
1987/88	355	304	316	612	536	698	879	649	565	537	486	359	6,297
1988/89	248	173	292	352	524	756	514	597	575	795	515	649	5,987
1989/90	431	384	507	469	516	909	840	882	818	495	510	535	7,295
1990/91 3/	480	355	433	591	639								

* *Five week month.*

1/ Season totals are adjusted data as reported in Supply and Distribution of Domestic and Foreign Cotton in the United States by Bureau of the Census.

2/ Consumption figures relate to four-week months except as noted. Daily consumption rates calculated on the basis of 20 days for four-week months and 25 days for five-week months with no allowance for holidays.

3/ Preliminary.

4/ These data refer to a particular day near the end of the month.

Source: United States Department of Agriculture, Foreign Agricultural Service.

COTTON PROGRESS: Arizona, by survey week, April 1986-December 1990

Month and week 1/	1986	1987	1988	1989	1990	5-year average
			Percent of acreage			
			Planted			
March 25	21	16	10	18	11	15
April 1	40	31	28	33	20	30
8	58	54	49	61	52	55
15	69	69	62	78	76	71
22	83	80	68	84	82	79
29	91	87	77	88	92	87
May 6	94	91	86	92	96	92
13	98	95	94	97	98	96
20	99	98	97	99	99	98
27	100	99	99	100	100	100
June 3		100	100			
			Squaring			
May 20	30	11	21	48		22
27	35	30	36	63	0	33
June 3	61	50	44	78	20	51
10	78	69	60	91	42	68
17	88	83	76	96	58	80
24	92	90	89	98	92	92
July 1	95	92	94	99	98	96
8	96	98	96	100	99	98
15	97	99	97		100	99
22	99	100	98			99
Aug. 5	100		100			100
			Setting bolls			
June 17	0	8	11	60	19	20
24	29	31	23	74	60	43
July 1	58	50	38	82	69	59
8	80	67	55	88	80	74
15	91	79	70	94	90	85
22	94	86	77	98	97	90
29	95	92	86	99	98	94
Aug. 5	96	97	95	99	100	97
12	99	99	99	100		99
19	100	99	100			100
26		100				
			Open bolls			
Aug. 5	4	21	19	22	21	17
12	14	27	35	30	35	28
19	28	38	47	44	42	40
26	42	54	64	57	52	54
Sept. 2	54	68	76	72	80	70
9	66	82	84	82	98	82
16	80	86	91	86	100	89
23	89	89	97	90		93
30	94	92	99	96		96
Oct. 7	98	94	99	98		98
14	99	97	100	99		99
21	99	100		100		100
28	100					

See footnote at end of table.

Continued--

COTTON PROGRESS: Arizona, by survey week, April 1986-December 1990--continued

Month and week 1/	1986	1987	1988	1989	1990	5-Year average
			Percent of acreage			
			Harvested			
Sept. 16	2	3	2	6	6	4
23	4	6	5	8	9	6
30	8	9	6	11	15	10
Oct. 7	16	13	16	14	22	16
14	23	28	24	24	34	27
21	32	49	25	34	50	38
28	44	59	32	44	60	48
Nov. 4	60	67	46	54	74	60
11	73	72	61	64	84	71
18	82	79	72	74	90	79
25	87	87	78	80	95	85
Dec. 2	92	92	88	88	98	92
9	95	95	95	97	99	96
16	97	98	100	99	100	99
23	98	99		100		99
30	99	100				100
Jan. 6	100					

1/ Dates are for 1990 crops. Comparable dates are used for 1986-89.

PASTURE AND RANGE FEED CONDITIONS: Arizona, May-November 1986-90

Year	May	June	July	August	September	October	November
				Percent 1/			
1986	84	69	64	81	89	88	87
1987	89	87	78	65	81	83	77
1988	94	84	80	74	98	92	94
1989	75	72	54	54	64	55	55
1990	56	43	48	63	70	81	77

1/ Good to excellent, 80 and over; poor to fair, 65-79; very poor, 50-64; severe drought, 35-49; drought, under 35.

SMALL GRAINS PROGRESS: Arizona, by survey week, 1986-90

Month and week 1/	1986	1987	1988	1989	1990	5-Year average
			Percent of acreage			
			Planted			
Nov. 20	11	8	1	19	22	12
Dec. 3	19	18	14	29	29	22
10	29	33	24	47	52	37
17	38	44	38	61	67	50
24	48	54	48	78	80	62
31	62	72	67	84	85	74
Jan. 7	74	84	78	88	91	83
14	79	87	84	93	97	88
21	84	90	88	96	99	91
28	95	94	91	99	100	96
Feb. 4	99	97	98	100		99
11	100	100	100			100

See footnote at end of table

Continued--

SMALL GRAINS PROGRESS: Arizona, by survey week, 1986-90--continued

Month and week 1/	1986	1987	1988	1989	1990	5-Year average
			Percent of acreage			
			Jointing			
Feb. 4	3	1	7	14	12	7
11	22	8	18	18	19	17
18	29	18	28	20	30	25
25	38	24	43	38	54	39
Mar. 4	52	41	58	52	76	56
11	68	58	69	72	86	71
18	83	80	79	84	92	84
25	90	92	87	94	95	92
Apr. 1	92	97	93	99	98	96
8	95	99	99	100	100	99
15	99	100	100			100
			Heading			
Mar. 4	0	2	2	6	17	5
11	11	8	5	7	19	10
18	19	14	11	12	24	16
25	46	32	24	32	34	34
Apr. 1	80	48	33	56	50	53
8	89	58	43	74	75	68
15	92	81	62	87	87	82
22	94	90	74	94	94	89
29	96	98	89	97	95	95
May 6	99	99	97	99	96	98
13	99	100	99	100	97	99
20	100		100		99	100
27					100	
			Turning color			
Apr. 8	5	6	6	8	6	6
14	20	11	15	20	18	17
22	27	22	30	32	38	30
29	43	36	32	43	54	42
May 6	62	46	52	62	70	59
13	82	54	71	76	83	74
20	96	82	80	87	88	87
27	98	96	88	97	93	94
June 3	100	100	96	99	98	98
10			100	100	100	100
			Harvested			
May 13	22	1	1	6	8	8
20	42	11	3	19	12	17
27	54	31	22	33	22	32
June 3	72	52	46	61	34	52
10	84	65	70	78	70	70
17	92	73	83	85	80	82
24	97	84	90	97	96	93
July 1	99	90	94	99	100	96
8	100	96	98	100		99
15		98	99			100
22		100	100			

1/ Dates are for 1990 crops. Comparable dates are used for 1986-89.

PESTICIDE SALES: By type, Arizona, 1985-89 1/

Pesticide type	1985	1986	1987	1988	1989
			1,000 lbs. technical material		
INSECTICIDES					
Acephate	36	26	35	7	77
Aldicarb	46	11	21	4	7
Azinphos-Methyl	21	33	49	2	38
Carbaryl	9	26	39	22	10
Chlordane	68	72	54	0	0
Chlordimeform	77	73	57	28	14
Chlorpyrifos	23	69	29	160	62
Diazinon	18	96	66	53	25
Dimethoate	84	93	60	64	14
Disulfoton	52	63	30	2	147
Endosulfan	16	36	136	4	0
Ethyl Parathion	58	88	30	0	0
Malathion	46	68	68	44	72
Methomyl	51	59	109	29	67
Methyl Parathion	238	213	148	0	0
Mevinphos	56	55	59	44	26
Monocrotophos	55	56	65	28	1
Permethrin	64	18	28	6	11
Sulfur	1,066	880	69	415	349
Other	272	252	181	98	90
TOTAL	2,356	2,287	1,333	1,010	1,010
HERBICIDES					
Benefin	27	45	38	1	10
DCPA	26	36	30	1	7
Dinoseb	77	91	0	0	0
EPTC	55	92	74	5	40
Glyphosate	93	130	137	85	124
MSMA	44	65	4	28	6
Pendimethalin	29	47	57	23	35
Prometryn	101	101	61	7	54
Simazine	14	20	18	6	2
Trifluralin	64	257	59	19	43
Other	138	223	193	71	96
TOTAL	668	1,107	671	246	417
FUNGICIDES, BACTERICIDES					
Copper Sulfate	26	46	102	7	43
Mancozeb	111	27	5	7	3
Maneb	119	78	21	2/	0
PCNB	233	228	8	2/	3
Zinc Sulfate	6	35	5	2/	2/
Other	73	60	28	11	20
TOTAL	568	474	169	25	69
DEFOLIANTS, DESSICANTS, AND GROWTH REGULATORS					
Arsenic Acid	47	101	4	2	24
DEF	132	49	55	13	37
Ethephon	14	14	10	1	1
Magnesium Chlorate	0	55	0	0	2/
Merphos	2/	0	7	0	18
Paraquat	36	9	6	2/	7
Sodium Chlorate	1,669	679	498	410	463
Other	27	44	25	60	17
TOTAL	1,925	951	625	485	567
FUMIGANTS					
Dichloropropene	27	113	60	0	204
Methyl Bromide	1	18	25	29	8
Other	0	2	11	10	12
TOTAL	28	133	96	39	224

1/ Survey results do not represent total pesticide sales. Data are tabulated only for those responding with no allowance for non-respondents.
2/ Less than 1,000 pounds.
Source: University of Arizona, College of Agriculture, Council for Environmental Studies; Pesticide Sales Survey.

COMMERCIAL FERTILIZERS AND MINERALS SOLD: Arizona, 1986-90

Fertilizer and minerals	1986	1987	1988	1989	1990
			Tons		
DRY FERTILIZERS					
Ammonium phosphate, 11-52(53)-0	17,415	21,260	27,296	30,412	30,873
Ammonium phosphate, 11-48-0	119	0	847	137	500
Ammonium phosphate, 16-20-0	8,071	7,947	11,365	9,180	6,956
Ammonium phosphate, 18-46-0	6,855	7,482	8,057	4,959	3,687
Other dry mixed fertilizer	22,477	28,172	30,415	22,842	27,881
Ammonium nitrate	5,047	5,139	5,413	4,480	4,314
Ammonium sulfate	8,203	10,074	11,025	9,727	9,491
Calcium nitrate and sodium nitrate	1,344	1,154	506	825	1,353
Potassium sulfate and/or chloride	421	230	346	1,003	2,561
Superphosphate, treble	3,088	2,346	1,975	2,201	2,995
Urea	18,086	20,852	21,949	25,028	20,173
Miscellaneous, dry (unmixed)	247	577	1,048	1,312	1/
Total Dry Fertilizers	91,373	105,233	120,242	112,106	110,783
LIQUID FERTILIZERS					
Anhydrous ammonia	38,137	19,036	19,083	21,351	20,287
Ammonia solutions, 20-0-0	8,578	10,074	7,884	6,357	7,460
Ammonium nitrate solution, 20-0-0	13,146	15,119	21,203	21,757	21,773
Urea, amm nitrate solution, 32-0-0	75,070	100,496	114,710	115,531	118,025
Calcium amm nitrate solution, 17-0-0	7,171	12,037	14,044	15,675	17,728
Phosphoric acid	1,434	891	1,192	1,663	2,082
Miscellaneous liquids	39,491	36,051	43,202	40,855	46,807
Total Liquid Fertilizers	183,033	193,704	221,318	223,189	234,162
AGRICULTURAL MINERALS					
Gypsum	25,874	47,229	73,619	69,848	64,372
Iron products	2,065	1,957	2,043	2,703	3,377
Sulfur products	1,248	1,399	1,961	1,667	2,178
Lime sulfur solution	270	201	223	414	289
Sulfuric acid	4,351	5,441	3,898	6,748	6,266
Micro nutrients	1,618	2,117	1,931	4,553	1,484
Miscellaneous minerals	0	0	20	0	42
Total Agricultural Minerals	35,426	58,344	83,695	85,933	78,009
TOTAL TONNAGE ALL PRODUCTS	309,832	357,281	425,255	421,228	422,954
Tons of Actual Nitrogen 2/	84,552	80,850	88,601	86,950	
Tons of Actual Phosphorus 2/	25,196	25,430	31,305	29,148	
Tons of Actual Potassium 2/	1,487	1,677	1,418	957	

1/ Not available by publication date. Amounts included in "other dry mixed fertilizer".

2/ Amounts of available nitrogen, phosphorus, and potassium in the above commercial fertilizer totals.

Source: Arizona Department of Agriculture.

TOP TEN STATES BY AGRICULTURAL CATEGORY, Arizona's Rank and United States total, 1990

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States total	Arizona's Rank
GENERAL													
Number of Farms and Ranches June 1990	Number	Texas 186,000	Mo. 108,000	Iowa 104,000	Ky. 93,000	Tenn. 89,000	Minn. 89,000	Calif. 85,000	Ohio 84,000	Ill. 83,000	Wis. 80,000	2,143,150	40 7,800
Land in Farms and Ranches June 1990	1,000 acres	Texas 132,000	Mont. 60,500	Kans. 47,900	Nebr. 47,100	N. Mex. 44,500	S. Dak. 44,300	N. Dak. 40,500	ARIZ. 36,000	Wyo. 34,800	Iowa 33,500	987,721	8 36,000
Cash Receipts from Farm Marketings 1989	Mil. dol.	Calif. 17,515	Texas 10,760	Iowa 9,118	Nebr. 8,521	Ill. 6,710	Minn. 6,526	Kans. 6,324	Fla. 6,203	Wis. 5,278	N.C. 4,551	159,173	31 1,902
FIELD CROPS													
Pima cotton Production	1,000 bales	ARIZ. 194.0	Texas 81.0	Calif. 57.4	N. Mex. 24.5	Miss. 1.6						358.5	1 194.0
Upland cotton Production	1,000 bales	Texas 4,965.0	Calif. 2,734.0	Miss. 1,850.0	La. 1,177.0	Ark. 1,081.0	ARIZ. 805.0	Tenn. 495.0	Ga. 405.0	Okla. 382.0	Ala. 375.0	15,140.9	6 805.0
Cottonseed Production	1,000 tons	Texas 1,943.0	Calif. 1,079.0	Miss. 732.0	La. 446.0	Ark. 431.0	ARIZ. 378.0	Tenn. 192.0	Okla. 150.0	Ga. 144.0	Ala. 139.0	5,966.5	6 378.0
Durum Wheat Production	1,000 tons	N. Dak. 3,111	Calif. 160	Mont. 134	ARIZ. 124	S. Dak. 96	Minn. 40					3,665	4 124
Winter Wheat Production	1,000 tons	Kans. 14,160	Okla. 6,048	Wash. 4,158	Texas 3,906	Ill. 2,736	Mont. 2,625	Nebr. 2,565	Colo. 2,525	Ohio 2,390	Mo. 2,280	60,999	34 154
Corn for Grain Production	1,000 tons	Iowa 43,747	Ill. 36,982	Nebr. 26,163	Minn. 21,353	Ind. 19,685	Ohio 11,689	Wis. 9,912	Mich 6,665	S. Dak. 6,552	Mo. 5,762	222,126	40 31
Barley Production	1,000 tons	N. Dak. 3,116	Mont. 1,358	Idaho 1,348	Minn. 1,210	S. Dak. 588	Wash. 543	Colo. 288	Calif. 240	Wyo. 222	Oreg. 218	10,053	19 38
Alfalfa Hay Production	1,000 tons	Wis. 8,400	Calif. 6,996	Iowa 6,375	Minn. 5,120	Mich. 4,875	Nebr. 4,785	S. Dak. 3,780	Idaho 3,744	Mont. 3,375	Kans. 3,040	83,555	24 1,304
Other Hay Production	1,000 tons	Texas 7,600	Mo. 5,425	Ky. 3,760	Kans. 3,060	Tenn. 3,003	Nebr. 2,585	Okla. 2,550	S. Dak. 2,520	Penn. 2,289	N. Dak. 2,205	63,430	46 117
Potatoes Production	1,000 cwt.	Idaho 112	Wash. 68	Colo. 24	Wis. 23	Oreg. 23	Maine 21	Calif. 18	N. Dak. 17	Minn. 16	Mich. 12	394	26 2
Principal Field Crops Harvested acreage	1,000 acres	Iowa 23,276	Ill. 22,809	N. Dak. 21,229	Kans. 20,978	Minn. 18,779	Texas 18,546	Nebr. 18,194	S. Dak. 15,552	Mo. 12,685	Ind. 11,484	309,051	38 802
Principal Field Crops Value of production	Mil. dol.	Iowa 5,816	Ill. 5,747	Minn. 4,095	Texas 3,984	Nebr. 3,686	Calif. 3,180	Ind. 2,950	Kans. 2,754	Ohio 2,525	N. Dak. 2,100	67,425	31 623
VEGETABLES													
Lettuce Production	1,000 cwt.	Calif. 55,959	ARIZ. 13,317	Fla. 1,311	Colo. 1,020	N.Y. 520	Wash. 420	N.J. 324	N. Mex. 286	Mich. 207	Texas 46	73,443	2 13,317
Cauliflower Production	1,000 cwt.	Calif. 6,156	ARIZ. 672	Oreg. 595	N.Y. 312	Mich. 70	Texas 50					7,855	2 672
Broccoli Production	1,000 cwt.	Calif. 11,213	ARIZ. 587	Texas 281	Oreg. 264							12,345	2 587
Honeydews Production	1,000 cwt.	Calif. 3,420	Texas 675	ARIZ. 425								4,520	3 425
Spring Onions Production	1,000 cwt.	Calif. 3,570	Texas 2,520	Ga. 1,092	ARIZ. 475							7,657	4 475
Carrots Production	1,000 cwt.	Calif. 17,391	Wash. 3,087	Mich. 1,876	Wis. 1,780	Fla. 1,080	Texas 848	Oreg. 780	Minn. 637	Colo. 449	N.Y. 438	29,237	11 195
Principal Vegetables Harvested acres	1,000 acres	Calif. 544	Fla. 124	ARIZ. 87	Mich. 58	N.Y. 48	Wash. 48	Texas 41	Oreg. 25	Pa. 23	Colo. 21	1,120	3 67
Principal Vegetables Value of production	Mil. dol.	Calif. 1,975	Fla. 582	ARIZ. 147	N.Y. 112	Wash. 107	Texas 97	Oreg. 89	Mich. 85	Colo. 65	Ga. 56	3,682	3 147

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States Total	Arizona's Rank
FRUITS													
Lemons													2
Production	1,000 ctns.	Calif. 31,400	ARIZ. 5,800									37,200	5,800
Oranges													3
Production	1,000 ctns.	Fla. 220,400	Calif. 146,200	ARIZ. 3,140	Texas 2,410							372,150	3,140
Grapefruit													3
Production	1,000 ctns.	Fla. 71,400	Calif. 17,400	ARIZ. 4,400	Texas 4,000							97,200	4,400
Tangerines													3
Production	1,000 ctns.	Fla. 3,400	Calif. 3,200	ARIZ. 1,200								7,800	1,200
Grapes													6
Utilized production	1,000 tons	Calif. 5,085	Wash. 180	N.Y. 144	Penn. 53	Mich. 46	ARIZ. 26	Ohio 8	Oreg. 7	Ark. 5	Ga. 3	5,560	26
Apples													16
Utilized production	Mil. lbs.	Wash. 4,700	N.Y. 990	Mich. 750	Calif. 650	Pa. 520	N.C. 230	Va. 208	Oreg. 175	Idaho 165	W. Va. 145	9,485	64
Principal Fruits and Nuts													8
Value of production	Mil. dol.	Calif. 4,833	Fla. 1,280	Wash. 934	Oreg. 193	Haw. 167	N.Y. 166	Mich. 146	ARIZ. 139	Penn. 104	Texas 103	8,744	139
LIVESTOCK													
All Cattle and Calves													35
January 1, 1991	1,000 head	Texas 13,400	Nebr. 6,000	Kans. 5,700	Okla. 5,550	Calif. 4,750	Iowa 4,750	Mo. 4,500	Wis. 4,170	S. Dak. 3,400	Colo. 2,800	99,436	840
Cattle on Feed													13
January 1, 1991	1,000 head	Texas 2,330	Nebr. 2,320	Kans. 1,760	Iowa 1,050	Colo. 1,005	Calif. 440	Ill. 370	Minn. 345	Okla. 330	S. Dak. 320	12,742	232
Calf Crop													36
1990	1,000 head	Texas 5,000	Mo. 2,070	Wis. 1,900	Okla. 1,850	Calif. 1,850	Nebr. 1,740	S. Dak. 1,650	Mont. 1,400	Kans. 1,370	Iowa 1,360	39,879	280
Cows that have calved													36
January 1, 1991	1,000 head	Texas 5,750	Mo. 2,270	Calif. 2,090	Okla. 1,970	Wis. 1,940	Nebr. 1,930	S. Dak. 1,650	Iowa 1,465	Mont. 1,452	Kans. 1,448	43,779	345
All Cattle and Calves													36
Value January 1, 1991	Mil. dol.	Texas 8,442	Nebr. 4,110	Kans. 3,534	Calif. 3,443	Wis. 3,190	Iowa 3,088	Okla. 3,080	Mo. 2,768	S. Dak. 2,448	Colo. 1,974	64,900	521
All Sheep and Lambs													14
January 1, 1991	1,000 head	Texas 2,000	Calif. 1,015	Wyo. 830	Colo. 710	Mont. 683	S. Dak. 640	Utah 508	Oreg. 466	Iowa 465	N. Mex. 462	11,200	250
Angora Goats												5 States	2
January 1, 1991	1,000 head	Texas 1,500	ARIZ. 108	N. Mex. 100	Okla. 63	Mich. 9						1,780	108
Hogs and Pigs													30
December 1, 1990	1,000 head	Iowa 14,000	Ill. 5,700	Minn. 4,500	Ind. 4,300	Nebr. 4,300	Mo. 2,800	N.C. 2,800	Ohio 2,000	S. Dak. 1,770	Kans. 1,500	54,562	110
All Chickens													
(Excludes Commercial Broilers)		Calif.	Ind.	Ga.	Ark.	Penn.	Ohio	N.C.	Texas	Ala.	Fla.		43
December 1, 1990	1,000 birds	34,500	25,500	23,666	22,794	22,600	21,020	19,265	17,200	14,800	14,105	351,775	270
Honey production													18
Total produced	1,000 lbs.	Fla. 20,900	Calif. 20,160	S. Dak. 19,845	N. Dak. 17,220	Minn. 12,580	Texas 9,380	Wis. 8,400	Mich. 8,000	Mont. 7,695	Nebr. 6,608	196,035	3,216
Milk production													21
Total produced	Mil. lbs.	Wis. 24,400	Calif. 20,953	N.Y. 11,102	Minn. 10,006	Penn. 9,933	Texas 5,539	Mich. 5,233	Ohio 4,495	Wash. 4,398	Iowa 4,330	148,284	1,640
Egg production		Calif.	Ind.	Penn.	Ohio	Ga.	Ark.	Texas	N.C.	Fla.	Minn.		43
Total produced	Mil. eggs	7,472	5,445	4,976	4,667	4,302	3,620	3,317	2,986	2,586	2,499	67,832	73

USUAL PLANTING AND HARVESTING DATES: By crops and principal producing areas, Arizona

Crop	Usual planting dates	Usual harvesting dates			Principal producing counties
		Begins	Most active	Ends	
FIELD CROPS					
ALFALFA HAY		Feb. 10		Dec. 1	Maricopa, La Paz, Yuma, Pinal
BARLEY	Nov. 5 - Feb. 10	May 5	June 1 - June 15	July 10	Maricopa, Pinal, Yuma
CORN FOR GRAIN	Apr. 1 - June 1	Sept. 15	Oct. 1 - Nov. 1	Dec. 1	Cochise, Graham
ALL COTTON	Mar. 1 - May 15	Sept. 15	Oct. 20 - Dec. 15	Feb. 1	Maricopa, Pinal, La Paz, Yuma, Graham, Cochise, Pima
ALL WHEAT	Nov. 5 - Feb. 10	May 15	June 1 - June 30	July 15	Yuma, Maricopa, La Paz, Pinal
VEGETABLES, MELONS, AND POTATOES					
BROCCOLI	Aug. 15 - Oct. 15	Oct. 20	Dec. 1 - Feb. 28	Apr. 1	Yuma, Maricopa
CANTALOUPS					
Summer	Feb. 15 - Apr. 1	May 25	June 10 - July 10	July 31	Maricopa
Fall	July 15 - Sept. 10	Sept. 20	Oct. 1 - Nov. 1	Nov. 20	Maricopa
CARROTS	Aug. 20 - Mar. 1	Oct. 10	Jan. 1 - June 1	July 20	Maricopa
CAULIFLOWER	Aug. 15 - Nov. 1	Nov. 15	Jan. 1 - Mar. 1	Apr. 30	Yuma, Maricopa
HONEYDEWS					
Spring	Feb. 15 - April 15	June 1	July 1 - July 15	Aug. 1	Maricopa, La Paz, Pinal, Yuma
Fall	July 15 - Sept. 15	Sept. 25	Oct. 15 - Nov. 1	Nov. 25	Maricopa, La Paz, Pinal
OTHER LETTUCE					
Spring	Nov. 1 - Feb. 15	Mar. 5	Apr. 1 - May 15	June 20	Maricopa, Pinal, Cochise, Pima
Fall	Aug. 1 - Oct. 5	Sept. 25	Oct. 20 - Nov. 30	Dec. 15	Cochise, Maricopa, Pima, Pinal
WESTERN LETTUCE	Aug. 15 - Dec. 1	Nov. 5	Dec. 1 - Mar. 31	Apr. 25	Yuma, La Paz
DRY ONIONS	Oct. 10 - Dec. 5	May 5	May 25 - June 15	July 10	Maricopa
WATERMELONS	Feb. 1 - Apr. 10	June 1	July 1 - Oct. 1	Oct. 30	Maricopa, Yuma, Pinal
SPRING POTATOES	Jan. 1 - Mar. 1	Apr. 25	May 15 - June 15	July 20	Maricopa
FRUITS AND NUTS					
GRAPEFRUIT		Oct. 1	Nov. 15 - June 1	July 20	Maricopa, Yuma
LEMONS		Aug. 1	Sept. 20 - Feb 20	Mar. 15	Yuma, Maricopa
NAVEL ORANGES		Nov. 1	Nov. 20 - Jan. 15	Feb. 15	Maricopa, Yuma
VALENCIA ORANGES		Jan. 1	Mar. 1 - May 1	June 30	Yuma, Maricopa
TANGERINES		Nov. 1	Jan. 1 - Mar. 1	Apr. 1	Maricopa, Yuma
APPLES		July 25	Aug. 20 - Oct. 15	Nov. 1	Cochise
PECANS		Oct. 15	Nov. 20 - Jan. 15	Feb. 2	Pima, Pinal, Cochise

LAND OWNERSHIP AND ADMINISTRATION: Acres and percent of total, Arizona, by counties, 1990 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/	Total area 4/	Area of	
								Land	Water 5/
	1,000 acres								
Apache	486	124	647	4,690	1,080	154	7,181	7,175	6
Cochise	490	376	1,372	0	1,630	112	3,980	3,980	0
Coconino	3,269	612	1,130	5,355	719	862	11,947	11,909	38
Gila	1,704	65	31	1,158	81	28	3,067	3,041	26
Graham	396	760	495	1,072	251	3	2,977	2,963	14
Greenlee	749	172	174	0	75	6	1,176	1,176	0
La Paz	0	1,692	264	256	111	566	2,889	2,870	19
Maricopa	658	1,624	665	263	1,803	891	5,904	5,841	63
Mohave	5	5,230	559	544	867	1,417	8,622	8,503	119
Navajo	488	87	370	3,465	1,934	30	6,374	6,371	3
Pima	383	359	975	2,491	769	903	5,880	5,880	0
Pinal	223	291	1,219	774	888	44	3,439	3,420	19
Santa Cruz	419	3	62	0	308	0	792	792	0
Yavapai	1,962	503	1,349	8	1,358	21	5,201	5,198	3
Yuma	0	530	269	9	336	2,387	3,531	3,526	5
Total	11,232	12,428	9,581	20,085	12,210	7,424	72,960	72,645	315

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/
	Percent of total area					
Apache	7	2	9	65	15	2
Cochise	12	9	35	0	41	3
Coconino	28	5	9	45	6	7
Gila	56	2	1	38	2	1
Graham	13	26	17	36	8	6/
Greenlee	64	15	15	0	6	6/
La Paz	0	59	9	9	4	19
Maricopa	11	28	11	4	31	15
Mohave	6/	61	6	6	10	17
Navajo	8	1	6	55	30	6/
Pima	7	6	17	42	13	15
Pinal	6	8	36	23	26	1
Santa Cruz	53	6/	8	0	39	0
Yavapai	38	10	26	6/	26	6/
Yuma	0	15	8	6/	9	68
Total	15	17	13	28	17	10

1/ Reference dates: Forest Service, September 30, 1989; Bureau of Land Management, September 30, 1989; State of Arizona, May 3, 1990; and Bureau of Indian Affairs, December 31, 1989.

2/ Derived as residual.

3/ Includes land administered by National Park Service, Department of Defense, Bureau of Sport Fisheries and Wildlife, Bureau of Reclamation, and other state, county and city public land.

4/ U.S. Department of Commerce, Bureau of Census, 1980.

5/ The term "water" includes permanent inland water surface such as lakes, ponds and reservoirs having 40 acres or more of area and streams and canals one-eighth mile or more in width.

6/ Less than 0.5 percent.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1989

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	239,000	0	13,900	0	0	4,800	900	14,900	108,800	4,600	0	6,100	69,000	0	0	15,100
Bales, 480 lb. net wt.	649,000															
American Pima Cotton: Acres	244,500	0	6,000	0	0	20,000	*	17,700	63,200	700	0	8,400	114,000	0	0	14,100
Bales, 480 lb. net wt.	477,000															
Alfalfa: Acres	150,000	3,000	6,500	*	*	3,500	*	35,200	45,800	6,000	2,500	1,200	11,100	700	2,500	31,100
Production, tons	1,140,000															
Other hay: Acres	35,000	1,200	800	500	*	800	*	6,500	6,800	1,300	*	*	1,000	*	2,200	12,500
Production, tons	140,000															
Durum wheat: Acres	84,000	*	*	0	*	400	*	6,000	27,500	*	*	*	21,800	*	*	23,900
Production, tons	226,800															
Other wheat: Acres	34,000	*	*	*	0	400	*	7,900	10,400	*	*	*	1,000	0	*	11,800
Production, tons	94,860															
Barley: Acres	12,000	*	400	0	*	600	*	*	3,900	*	*	*	4,100	*	*	1,700
Production, tons	29,660															
Corn for Grain: Acres	13,000	0	7,100	*	0	2,400	400	1,500	700	0	0	*	100	0	*	*
Production, tons	52,780															
Potatoes: Acres	5,800	0	0	0	0	0	0	0	5,800	0	0	0	2/	0	0	0
Production, cwt.	1,827,000															
Principal vegetables: Acres 1/	81,700	0	2,130	0	0	0	0	4,250	17,750	0	0	1,150	3,770	0	0	52,650
Production, cwt.	18,651,000															
Grapes: Acres	6,200	0	*	0	0	0	0	0	2,665	0	0	*	1,980	*	*	1,235
Production, tons	26,500															
Grapefruit: Acres	6,500	0	0	0	0	0	0	0	4,000	0	0	0	2/	0	0	2,500
Production, ctns.	3,900,000															
All oranges: Acres	10,400	0	0	0	0	0	0	0	6,070	0	0	0	2/	0	0	4,330
Production, ctns.	3,400,000															
Lemons: Acres	15,500	0	0	0	0	0	0	0	1,500	0	0	0	2/	0	0	14,000
Production, ctns.	7,600,000															
Tangerines: Acres	3,600	0	0	0	0	0	0	0	1,900	0	0	0	2/	0	0	1,700
Production, ctns.	1,300,000															
Other crops: Acres 3/	69,355															
Total acres harvested 4/	1,010,555															

* *Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Principal vegetables include broccoli, cantaloups, carrots, cauliflower, honeydews, lettuce, dry onions and watermelons. Some counties may include acreage for other counties to avoid disclosure of individual operations.

2/ Included with Maricopa County to avoid disclosure of individual operations.

3/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.

4/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1990

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	348,000	0	15,200	0	0	7,400	1,000	25,000	145,000	5,300	0	10,600	113,900	0	0	24,600
Bales, 480 lb. net wt.	805,000															
American Pima Cotton: Acres	124,000	0	4,100	0	0	16,100	*	6,100	24,300	500	0	3,100	65,500	*	0	4,000
Bales, 480 lb. net wt.	194,000															
Alfalfa: Acres	165,000	3,000	7,000	*	*	4,000	*	42,000	48,000	7,500	2,000	1,800	11,000	500	2,000	35,000
Production, tons	1,304,000															
Other hay: Acres	30,000	1,200	600	500	*	500	*	4,000	5,000	1,000	*	500	1,000	*	1,500	13,000
Production, tons	117,000															
Durum wheat: Acres	44,000	*	*	0	*	*	*	3,000	11,200	*	*	1,800	14,100	0	*	11,900
Production, tons	124,080															
Other wheat: Acres	54,000	*	*	*	*	*	*	13,000	14,900	*	*	500	1,500	0	*	20,900
Production, tons	153,000															
Barley: Acres	15,000	*	*	0	0	600	*	0	6,800	0	0	*	5,900	*	*	1,200
Production, tons	37,800															
Corn for Grain: Acres	7,000	0	3,700	0	0	1,500	200	500	800	0	0	0	*	*	*	*
Production, tons	31,360															
Potatoes: Acres	6,900	0	0	0	0	0	0	0	5,500	0	0	0	1,000	0	0	400
Production, cwt.	1,794,000															
Principal vegetables: Acres 1/	80,300	0	1,400	0	0	0	0	3,950	16,950	0	0	750	1,900	0	0	53,650
Production, cwt.	18,549,000															
Grapes: Acres	5,100	0	*	0	0	0	0	0	2,415	0	0	*	1,240	*	*	1,245
Production, tons	26,000															
Grapefruit: Acres	6,400	0	0	0	0	0	0	0	3,800	0	0	0	2/	0	0	2,600
Production, ctns.	4,400,000															
All oranges: Acres	10,200	0	0	0	0	0	0	0	6,180	0	0	0	2/	0	0	4,020
Production, ctns.	3,140,000															
Lemons: Acres	15,500	0	0	0	0	0	0	0	1,400	0	0	0	2/	0	0	14,100
Production, ctns.	5,800,000															
Tangerines: Acres	4,000	0	0	0	0	0	0	0	2,100	0	0	0	2/	0	0	1,900
Production, ctns.	1,200,000															
Other crops: Acres 3/	64,085															
Total acres harvested 4/	979,485															

* *Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.*

1/ Principal vegetables include broccoli, cantaloups, carrots, cauliflower, honeydews, lettuce, dry onions and watermelons. Some counties may include acreage for other counties to avoid disclosure of individual operations.

2/ Included with Maricopa County to avoid disclosure of individual operations.

3/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.

4/ Includes double crop acreage.

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